

SINCE 1947

FAIR RADIO SALES CO.
WORLD'S FINEST

ELECTRONIC SURPLUS

GOVERNMENT AND COMMERCIAL

MANY ITEMS AT SPECIAL SALE PRICES!



CATALOG WS-81

10 KHZ TO 50 MHZ



AN/URM-25F SIGNAL GENERATOR, covers 10 KHz to 50 Mhz AM in nine bands. RF output: 0.1 to 100K micro volts into 50 ohms; 2 V adjustable across high load impedance. Modulation 0-50%, 400 or 1000 Hz internal. 1 Mhz cali-

brator; designed accuracy $\pm 0.05\%$ above 10 Mhz. Requires 115 VAC 50-1000 Hz. 11 $\frac{1}{2}$ x 14 x 10 $\frac{1}{2}$, 44 lbs. Used, reparable \$145; Checked, \$210. *****

ACCESSORIES, available w/purchase of URM-25F: MANUAL, partial reproduction, \$10.00 CX-2919 test lead adapter, \$7.50 CU-406 impedance matcher, 500 ohms up, \$7.50 CU-408 impedance matcher, 70 ohms, \$7.50 DA-109 dummy load, \$6.00 BNC cables, 6", \$1.00; 4 feet, \$1.25

AN/URM-25D SIGNAL GENERATOR, older version of URM-25F; eight bands and designed frequency accuracy $\pm 0.25\%$ above 10 Mhz. Less front cover. Used, reparable, \$125.00



ACCESSORIES w/purchase: MANUAL, partial reproduction, \$10.00 MX-1487 impedance adapter, \$6.00 SM-35 antenna simulator, \$5.00 CN-223 5:1 attenuator, \$5. CN-224 10:1, \$6.

PVS-3 NIGHT VISION

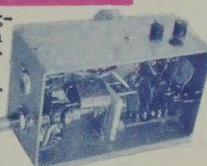
AN/PVS-3 MINIATURIZED STARLIGHT SCOPE ASSEMBLY, night



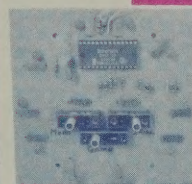
vision device originally used for weapon's sighting but probably adaptable for other uses. Assemblies consist of front optics, intensifier tube housing, and weapon's mount for M-16 rifle with adapter bar. Units designed to use mil-8858 image intensifier tube (current Varo #1462-series priced over \$1800.00) which magnified existing light 40,000 times and had automatic brightness feature. Useful cathode diameter 18 mm. Required 2.65 VDC supplied from BA-1533 battery (not available). Sets are sold less intensifier tube and rear ocular sighting piece; adjustments may be required. Size: 2 $\frac{1}{2}$ " dia X 11" housing; 6" high with mount. Used, as above with case, \$165.00 Marginal light filter, for daytime low-light use, \$12.00 when purchased with assembly,

455 KHZ SSB-BFO

455 KHZ SSB-BFO KIT, originally a SSB modification for a commercial receiver which can be adapted to provide SSB reception for most receivers having a final IF of 455 KHz. Has 456.5 and 453.5 KHz crystals (USB & LSB) and normal variable BFO function 451-459 KHz. Output 2.2-3.4 volts. Requires 108 VDC & 6.3 VAC. W/knobs, dial plate, 6AU6 tube, schematic. Shaft 5 $\frac{1}{2}$ " lg X 1 $\frac{1}{4}$ " dia; box excluding 6AU6, 4 $\frac{1}{2}$ x 2 $\frac{1}{2}$ x 2 $\frac{1}{2}$, 3 lbs. #MR-415-52 NEW \$15.95



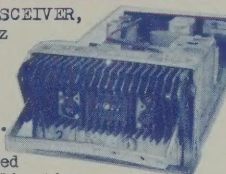
PERFECTION



COMPUTER PERFECTION, four games to test memory skills: Countdown and Black Hole for one player, Brainbattle and Lightrace for two players. Each game has three skill levels. Also has test mode and "repeat" mode which re-runs the winning sequence of a game for the next game. Has TMS1100NLL chip, 10 LED's, sound element, and three slide switches. Uses 2/9 VDC transistor batteries (not included). 4 $\frac{1}{2}$ x 4 $\frac{1}{2}$, 1 lb. Board only as shown, w/instructions, \$4.50

MOTOROLA TRANSCEIVER

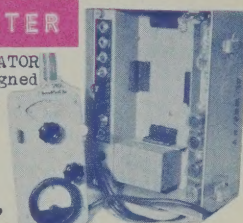
MOTOROLA FM MOBILE TRANSCEIVER,



transmits in 144-174 Mhz range, receives between 450-470 Mhz. #TD6050AB transmitter section has output of 25 watts min. (144-167 Mhz), 20 W min. (167-174 Mhz) using single crystal-controlled channel. Crystal multiplication 24 times; 50 ohm output impedance. Has nine tubes including 6146 in power amp. #XRE1000-AH receiver has dual squelch "Private Line" or separate tone-controlled and carrier squelch circuits. Two crystal-controlled channels; 455 KHz final I.F. Audio output 2 watts into 3.2 ohms. With 14 tubes. #XPN-6003B transistorized power supply requires 12 VDC input to supply voltages for transmitter and receiver. Crystals, control head, and other accessories not available. With schematics. 6x10x19 $\frac{1}{2}$, 28 lbs. Reparable, \$55.

GRID DIP METER

AN/PRM-10 TEST OSCILLATOR a grid dip meter designed to determine resonant frequencies of tuned circuits or the frequency of RF signals. Uses seven plug-in coils covering 2 to 400 Mhz in ranges 2-5, 5-10, 10-22, 22-45, 45-100, 100-250, and 250-400 Mhz. Amplitude modulation about 30% produced by 1 V across 150K ohms from external oscillator. Functions as a miniature receiver or transmitter when tuning head and coil are placed near circuit in question. Results indicated on tuning head meter or can be heard with earphones. PRM-10 includes set of coils, tuning head, power supply, transit case, and schematic. Requires 115 VAC 50-1000 Hz. 8 $\frac{1}{2}$ x 11 $\frac{1}{2}$ x 5 $\frac{1}{2}$, 20 lbs sh. Used, reparable, \$95. Checked, \$135.



AC LINE REGULATOR



J-95/CRD-2 POWER CONTROL BOX for controlling and monitoring 115 or 230 VAC power circuits up to 500 watts. Consists of autotransformer w/10 step voltage control from 96 to 137 VAC and 240 VAC. Also features 3 $\frac{1}{2}$ " round 11-reed 55-65 Hz line frequency meter, 3 $\frac{1}{2}$ " round 0 to 150 VAC meter, 5 and 10 amp circuit breakers, and overload relays. 14 $\frac{1}{2}$ x 14 x 13, 72 lbs sh. Used \$60.

HEWLETT-PACKARD SCOPE

HEWLETT-PACKARD 120B OSCILLOSCOPE, general purpose DC-450 KHz unit with 5" display suitable for audio and video work. Sweep: 1 u-sec/cm to 0.5 sec/cm in 15 calibrated steps plus vernier adjustment and x5 expansion. Vertical sensitivity: 10 mv/cm-100 V/cm using 4-step attenuator and vernier. Vert. input impedance: 1 megohm shunted by 50 pf. Horizontal sens: 0.1 V/cm-100 V/cm using 3-step atten. and vernier. Includes 5A2P CRT and beam finder. Requires 115/230 VAC 50-1000 Hz. 6 $\frac{1}{2}$ x 16 $\frac{1}{2}$ x 18 $\frac{1}{2}$, 42 lbs sh wt. Used, reparable, \$135.00; Checked, \$185.00 MANUAL, \$10.00 when purchased with HP120B.



ORDERING
INFORMATION
SEE PAGE 2

MINIMUM
ORDER \$5.00

Fair Radio Sales Co.

P. O. Box 1105 -- 1016 E. Eureka St.

Lima, Ohio 45802

419/227-6573

CATALOG
INFORMATION

This IS the only
catalog we will
issue this year.

A supplement will
be sent in the Fall.

FAIR RADIO SALES CO., INC.

1016 E. EUREKA, BOX 1105, LIMA, OHIO 45802
TELEPHONE: AREA CODE 419 227-6573

SHUNT

50 MV. 15 AMP
Size: 2x1 1/2 x 1 1/2
6625-810-6742
UNUSED \$2.50

FS-50 UA w/ mirrored scale, zero adj. Scale: 4.0-20.0 GMS % HEMOGLOBIN. Mount on panel front or behind. Fits 2 1/2" dia. hole. 5 1/2 x 6 1/2; Beede mfg., \$7.95

CALBIOCHEM meters, FS-50 UA 2-3 1/8" square. Used, \$4.95
#200037, 0-150 -350% GLUCOSE scale.
#200039, 0-.3% BLOOD ALCHL.
#200056, 4-24% HEMOGLOBIN

TUBE TEST

REPLACEMENT METERS f/MERCURY tube checkers. Bad?-Good scale; can be changed.

#990 FS-1 ma 2 1/2 x 2 1/2 \$3.00
#390 FS-1 ma 3 1/2 x 3 1/2 4.00
#395B FS-1 ma Fan type 3 1/2 x 3 1/2 4.25
#1000 FS-1 ma 4 x 4 1/2 5.00
#9000 FS-5 ma curved fan type 7 x 5 6.00

GB METERS clear plastic w/black scales.
Scales are not linear.
Size: 1-9/16" sq. NEW \$2 ea
#3WR/CEM, FS-250 ua (100 ua center); 1-2-3-5-cal so.
#PWR-S/CEM, as above but 0-5 pwr, 1-9 S-units.
#S-PWR/CEM, FS-200 ua (75 ua ctr); 1-9 "S", 1-5 pwr.

CLEAR PLASTIC METERS, 2-3/8" sq. fit 2-1/8" dia. hole. EMI mfg. Unused.
#D1145-2, 0-5-50 MADC, FS-5 mado, \$4.95
#D1159-1, 0-50-500 MADC scale, FS-50 mado, \$4.95
#D3650, 0-3 VDC, \$4.95

MICROMHOS DYNAMIC MUTUAL CONDUCTANCE USED IN I-177 TUBE CHECKER BASIC 0-1.4 MA. HICKOK #M5474 STK# 3F1350 \$4.95

TV-2 REPLACEMENT METER, 0-250 SCREEN VOLTS, FS-1 MA. 2 1/2" RD. SEALED. NEW \$5.95

DECIBELS

-10-0-64 DB 6MW 600 OHMS 2 1/2" RD. WEST. 2837 \$4.95
-12-0-84 DB 100 UA FS 3 1/2" RD. BLK. RUGG. WAC4586 N \$7.95
-12-0-+8 DB, FS=100 ua, 3 1/2" rd. blk. face. Used, \$5.95
-20-0-34 DB FS-199 MUA 2 1/2" RD. #GA50934 USED \$4.95

OTHER VALUES IN STOCK, WRITE
POWER SET 46 TO 0 TO-3 2 1/2" RD. FS-200 UA, WAGLINE 1496/400 RUGG/SEAL U \$3.95

MULTIMETERS by Modutec. 5x4, zero adj, mirror-ed scale. Fits 2-5/8" dia. hole.

#841256, 0-10 VDC-UA-VAC rms; FS-50 uado. New \$7.95
#841974, 0-10 VDC-AC rms-UA DC, 0-28 VAC p-p, OHMS. FS=100 uado, new, \$7.95
#821155, 0-100 VDC, 0-75-150 MADC; FS=100 uado. Not mirrored; 3x2 1/2. Fits 2-1/8 dia. hole. Unused, \$5.95

DUAL SCALE METER 0-1 MA MOVEMENT TWO MECHANICALLY SWITCHED SCALES, 0-25, 0-125. FOR BEHIND PANEL MTS. CAN BE ILLUMINATED SHAFT EXTENDS 3/8" FRONT AND REAR. 2 1/2 x 1 FACE, 2 1/2 x 3 1/2 OVE ALL. UNUSED \$4.95

ROENTGENS PER HOUR METER 50 MICROAMPERE D.C FULL SCALE 3 1/2" RUGGEDIZED REMOVABLE PLASTIC LENSE, BLACK FACE.
TOP SCALE 0-500, LOWER 0-10 #300-10764 UNUSED \$3.95

BALLETINE V.T.V.M. METER ONLY AC VOLTS 1-10 DECIBELS 0-20 WESTON 643 4 1/2" or EQ.
MFG. PT. NO. 205007 NEW STK#6625-557-0899 \$8.95

OUTPUT METER FOR TS-497B AND TS-497C SIGNAL GENERATORS. 300-0-300 DC MICROAMPS. 3 1/2" RD. MARION HS3, #5705 NEW \$7.95

DC VOLTMETER 3 IN. Sq.No scale COLORED SEGMENT SIMPSON MFG. NEW
50 VDC #1913 \$6
25 VDC #1906 \$6

***** REPLACEMENT METERS, good meters removed f/equipment.

TS-352/ME-9 4 1/2" rd., \$15.00
ME-26D, 4 1/2" rd., \$15.00
ME-81/USM-34, unused, \$12.
TV-7 tube test, 3 1/2" rd, \$12
RT-66-67-68 xmitters 1 1/2" \$8

GENERAL ELECTRIC AD-6 PANEL METER 0-300 VAC 25-125 Hz, high accuracy for lab use. Metal case 5 1/2 x 5 1/2 x 4 1/2, 6 lbs sh. Unused, \$29.95

RUNNING TIME

RUNNING TIME METER, 3 1/2" rd, 5-place; 115 VAC 60 Hz. #RIM-WRT-1, Used, \$9.95

LP-GAS METER, 0-1 VDC full scale. Mounts in 2" dia. hole. Chrome finish #48560-2, \$1.50 ea.

STORE HOURS
9 A.M. to 5:30 P.M.
MONDAY THRU FRIDAY
9 A.M. to 1 P.M. SATURDAY

TERMS

PRICES NET, F.O.B. LIMA, OHIO
SEND MONEY ORDER, CERTIFIED CHECK, VISA, or MASTERCARD with PURCHASE ORDER for IMMEDIATE SERVICE.

We reserve the right to hold an order accompanied by personal or company check until after check clears the banks.

MINIMUM ORDER \$5.00
Orders less than \$5.00
ADD \$1.00 HANDLING CHARGE.

Include sufficient money for shipping charges. (UNUSED PAYMENTS RETURNED AT ONCE.) Otherwise we will send shipping charges collect.

C.O.D. ORDERS, SEND 50% of PURCHASE WITH ORDER. CASH BALANCE will be COLLECTED UPON DELIVERY.

When writing for information PLEASE state what specific information you desire.

DESCRIPTIONS

ALL MATERIAL OFFERED IN THIS CATALOG IS IN "USED-COMplete" CONDITION, UNLESS QUALIFIED AND/OR NOTED AS "RECONDITIONED," "UNUSED," OR "NEW."

MERCHANDISE IS NOT OPERATIONALLY CHECKED UNLESS SPECIFIED AS "CHECKED."

EQUIPMENT DESCRIBED AS "REPAIRABLE"--MEANING "ABLE TO BE REPAIRED"--IS ELECTRO-MECHANICALLY COMPLETE, BUT REQUIRES SOME TROUBLESHOOTING BY THE CUSTOMER.

AC VOLTMETERS

0-3VAC 3"RD. SUB PANEL MTG 1000 P/V 2F8003-11 NEW \$7.

0-7.5VAC 3"RD. STD. WEST. CAY22237 NEW \$6.95

0-10 VAC 2 1/2" rd. \$4.95
3 1/2" rd or sq \$5.95 var.mfg.

0-30 VAC 3 1/2" rd. various mfg. unused \$8.95 used \$7

30-150 VAC 60 Hz, various mfg: 2 1/2" rd., used, \$6.95
3 1/2" rd., used, \$8.95

0-300 VAC, 2 1/2" rd, used \$6.

0-100 VAC, 3 1/2" rd., Hickok Model 47M, used, \$5.95

0-15 VAC, 3 1/2" rd., various mfg., used, \$5.95

0-50 VAC, 1000A/V, 3 1/2" sq. WESTON 301, UNUSED, \$6.95

AC AMMETERS

0-150 ACA, 3 1/2" rd, FS=5 amp black face, unused, \$6.95

AC MILLIAMPERES Rectifier type, 0-250 & 0-500 scale 2 1/2" rd. ruggedized Marion Electric HM-2 \$6.95

0-10 AMPS AC, 3 1/2" rd., Weston 1534, unused, \$12.00

0-125 ACA FS-5A for 400 Hz 3 1/2" rd. Hickok #470951 \$10

0-100 microamp a.c 2 1/2" rd. Weston-506 or equal UN\$6.95

D.C. MILLIAMPS.

FS=1 MADC, 0-5-25 indicated 2 1/2" rd. sealed. #1031 \$4.95

0-3 MA-DC, 3 1/2" rd. sealed. #4081, unused, \$6.95

0-80 DCMA SCALE 2 1/2"RD. RUGG. #8274 N \$4.95

0-100DCMA 100MA. MOVE. 3 1/2"RD.RUGG. #4265 N \$6.95

0-150 DCMA SC. USED 3 1/2" RD. STD.CAY22061 \$5.95

0-200 DCMA SC. 2 1/2" RD. USED #MR25200DCMA \$3.95

0-200 DCMA SC. 3 1/2" RD NEW GE-CG22063 \$5.95

0-20 MA-DC, 3 1/2" rd. Various mfg. Used, \$5.50 Unused \$7.

0-500 MADC, 3 1/2" sq. Simpson Used, ptr. tip bent, \$4.95

0-15-300 MA-DC, FS=15 mado, 3 1/2" rd. Various mfg. \$5.95

1-0-1 MADC, 2 1/2" rd sealed; various mfg., used, \$5.95

0-50 MADC, 3 1/2" rd., various mfg., used, \$6.95

OTHER VALUES IN STOCK, WRITE

D.C. MICROAMPS.

0-200 UADC, 3 1/2" rd. sealed; Var. mfg. #3981, new, \$3.95

0-200 UADC and -8-0-+6 DB, 2 1/2" rd. sealed, new, \$4.95

0-500 UADC, 2 1/2" rd., Var. mfg. Used, \$4.95

500-0-500 UA-DC, 3 1/2" rd., various mfg., unused \$6.95

100-0-100 UA-DC, 2 1/2" rd. sealed; Honeywell, U, \$4.95

50 UA MOVEMENT, SCALE -30, 0, 159, POINTER AT ZERO, SEALED, 2 1/2 RD USED TRC30150 \$4

50 UA MOVE, SCALE 0-100 % MOD/PEAK VOLTS. SEALED 2 1/2 RD USED TRC10050 \$4.00

FS-50 UA, 0-3000 watt scale 3 1/2" rd sealed, unused \$6.95

0-100 UA-DC, 2 1/2" RD. SEALED VARIOUS MFG., USED, \$4.95

OTHER VALUES IN STOCK, WRITE

FAN-SHAPED METERS, plastic w/ zero adj. 3" top 2 1/2" bottom; 3" H. Fits 2" dia. hole EMI mfg. Unused. #EMI-200UA, 0-50-150 VDC, FS=200 ua, \$4.95

#EMI-5VDC, 0-5 VDC, \$5.95
#EMI-25VAC, 0-25-250 VAC scale; FS=25 VAC, \$5.95
#EMI-FS-50MA, 0-500 MADC scale; FS=50 mado, \$5.95

SMALL METERS 1 1/2" square; sealed \$6 #20UA10, 0-20 UA x10; FS=200 ua. #3538; 0-10; Full scale 1 ma. Intl mfg. #0728, 0-10, FS=50 mv; blk face, Weston 151. Unused. #7963; 0-10 scale, FS=1 ma, 1 1/2" dia., Ideal S-100.

D.C. VOLTMETERS

0-50 VDC EDGEWISE; 1 1/2" X 1 1/2" HONEYWELL, NEW, \$8.

0-15-600 VDC, 2 1/2" rd black face; w/mult. code-Used \$6.

0-10 VDC, 3 1/2" rd. Various mfg. Used, \$5.95

0-5 VDC, 3 1/2" rd., various mfg., used, \$6.95

0-50 VDC, 3 1/2" rd or square, various mfg., used, \$7.95

0-100vdc sc. 2 1/2" RD.RUGGED #9545 NEW \$5.95

0-75 VDC, 3 1/2" round. Various mfg. Unused \$8.95

0-200 VDC, 3 1/2" rd. sealed; various mfg. Used, \$6.95

0-300 VDC, 2 1/2" round; various mfg. Unused \$5.95

0-500vdc sc. 3" sq. #231-1624 Used \$5.95

0-500VDC SC. 2 1/2"RD. RUGGED FS-50MUA #683-9829 NEW\$5.95

KILOVOLTS DC, FS=1 MA: 0-1.5 KVDC 3 1/2" rd. Used \$6. 0-4 KVDC, 3 1/2" rd. Unused \$7

OTHER VALUES IN STOCK, WRITE

R.F. AMMETERS

0-5 RFA 2 1/2" rd. 20hz-20mc CAY-22026A cal.60hz \$9.95

0-15 RF AMMETER, 3 1/2" rd.; various mfg., used, \$16.95

0-100 RF MILLIAMMETER, 2 1/2" rd sealed; unused, \$9.95

0-5 Ant Curr. w/trans coil, 2 1/2" rd. M101/ART-13 used \$9

0-15 RF, 3" sq. FS=1 ma; Simpson 271, U, \$8.95

AC FREQUENCY

METER

48-52 and 58-62 HZ, 100-150 VAC, ten reads. 3 1/2" rd sealed; 2 lbs. #974-9364, unused, \$27.95

DC AMMETERS

DC AMMETERS, FS-50 mv Used 0-50, 2 1/2" rd., \$6.95

0-150, 3 1/2" square, \$7.95
0-200, 2 1/2" rd-unused, \$8.
0-1500, 3 1/2" rd., \$7.95

0-2 ADC, 3 1/2" rd., Westinghouse NX-35, used, \$8.95

0-50 ADC, 3 1/2" rd., Weston 301; unused, \$12.00

0-10 AMPS DC, 3 1/2" rd., various mfg., used, \$10.95

AUTOMOTIVE TYPES, 2 1/2" rd: -40-0-40, unused, \$3.95
50-0-50, unused, \$3.95

BIG LOOK
0-20 DCA SCALE 50 mv 3 1/2" N \$8.

SWITCH & LAMP PANEL

DATA CONTROL & INDICATOR PANEL, an excellent source of components such as switches and in-

Cermet Trimmer

195/RJ12 CERMENT TRIMMERS
1/2" RECTILINEAR 23 TURN.
79¢ EACH. 2 FOR \$1.50

TYPE Y

WESTON 840P
plastic 3/8"
sq. 3-pin on
broadside; trimmer
opposite. 50KA 4/31

TYPE

190

20-turn
1/2" lg. 200, 100K,
or 200K. 2 for \$1.

Manufacturers as available.
S 170 thru M176, 1/2" sq.
171 2/\$1. 172-M176 3/\$1.

170; metal, 3-pins on
broadside: 100, 1K, 5K, 25K,
250K, 500K

171; metal top adj., 3-pin
broadside: 200, 250, 2000
500K, 1 MEG.

172: 200,
500K, 500K, 1 MEG.

173: 100, 200, 1K,
K, 100K, 250K, 500K, 1M.

174: on broadside: 100, 1K,
500K, 1 MEG.

175: thin side: 500K.
500K.

plastic, top adj.:
500K, 1 MEG. 3 for \$1.00

176: adj.: 50, 100, 200,
500K, 3 for \$1.00

177: 32" dia., 3 pin short
50, 100, 500K.

1978 RADIO AMATEUR'S
HANDBOOK, nearly 700
pages of handy ref-

erence. Last time around-
en \$2.50; NOW, \$3.00

ATOR CIRCUIT

STANDING-WAVE RATIO
INDICATOR CIRCUIT, assem-

ble a SWR meter using this
1 1/2" square 0-10 scale
(FS=2 MA) meter with

and a modified Scher-
bridge arms is re-
sistive. In theory the
anced when the antenna
resistive resulting in a
meter. SO-239 connector.

#M701/CU-991, \$8.95

MINATOR,
ining an
ative zero-

Phasing
nator pro-
portion-

of a sys-
shows the type of react-
inductive) and the load-
amplitude of impedance

s resistive. In both
is ideal (may not be ob-
circuit). A third output
relative antenna current.

01/CU-991 w/diag., \$4.95

INTRUSION

LORY INTRUSION ALARMS,
g on inside door knob

set sensitivity. Alarm
nds when outside door
is touched. Works on
acitance discharge. Will
doors. 2 lbs sh. NEW.

9 V battery req., \$9.95

FR-114/SM-16 FREQUENCY
INTER WITH SIX MIXIE

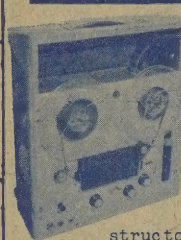
RT

0.2 TO 30 MHZ SSB

GL33 HF RECEI-
VER, 0.2 to
30 Mhz SSB,
AM, & CW in
thirty con-
tinuously
tunable

bands. Set
is a Collins 51S1 receiver repackaged by
LTV-Temco for military airborne use. It has
extended lower frequency range plus a jack
for a 14-600 KHz tuner, AM BFO, and extra
electronic filtering. Crystal check points
every 100 KHz. Final IF 500 KHz. AM BFO var-
iable from 485 to 515 KHz. Controls for
CW-LSB-USB-AM, Rejection Tuning, and meter
switch RF--10DBM-ODEM. Input impedance: 50
ohms. Audio output imped: 4 or 600 ohms.
Matching phone patch imped: 500-600 ohms.
With tubes 5/6EAB, 3/6BA6, 2/12AX7, 2/6136,
6CD6, 5670, 6BF5, and 6AX6. Requires 115/230
VAC 50-60 or 400 Hz; also 24 VDC 168 ma for
the AM BFO only. 6 1/2x18 1/2x13; 40 lbs sh wt.
Used, repairable, \$695.00; Checked, \$850.00
COLLINS 51S1 MANUAL, \$15 w/purchase of GL33.

LANGUAGE LAB RECORDER



LANGUAGE LAB TAPE RECORDER,
solid-state design; made by
General Electronics Lab.
Has three heads: one play-
back only master head on one
track and the other two,
playback and record, on a
second student track. Uses
standard 1/2" audio tape on
up to 7" reels at speeds 3 1/2
and 7 1/2 ips. In practice, one
can monitor the master "in-

structor's" track while recording
responses on the student track. The student
track can be played back simultaneously or
separately from the master track depending
upon control selection. The master track,
which plays in one direction only, can be re-
corded upon or erased by switching plug-in
wires from the student track heads. Besides
its original usage, the recorder could be
useful for code practice of for sound-on-sound
audio experimentation. Audio response
approx. 300-8000 Hz. Controls for student and
master volume, playback-practice select,
pause, and the other standard recording func-
tions. Also three motors for very rapid fast
forward/rewind, audio level meter, footage
counter, 4" built-in speaker, and four plug-
in circuit cards for audio, master audio,
student audio, and bias oscillator. Uses
common 2N2836 and 2N3702 transistors. Tape
and reels not included; microphone and sche-
matic not available. Requires 115 VAC 60 Hz.
18x16 1/2x8; 32 lbs net, 40 lbs sh wt.
Used, repairable, \$39.50; Checked, \$59.50

WEBCOR RECORDER



WEBCOR TAPE RECORDER, plays
and records @ 3 1/2 or 7 1/2 ips;
accepts up to 7" dia reels.
Has standard features fast
forward/rewind plus edit
lever, footage counter, and
20-0-20 record level indica-
tor. Also mic, bridge, and
external speaker jacks, and built-in speaker.
Monaural use only; 100-10000 Hz response @
7 1/2 ips. Mic input impedance: 500K ohms. With
tubes 12AU7, 12AX7, 6X4, 6BQ5, 6HU6, & 7025.
Requires 115 VAC 60 Hz. 13 1/2x12 1/2x7; 32 lbs sh.
Units checked for basic playback/record; may
need further adjustments. Mic and reels not
included. #WEBCOR-173B, used, \$39.95; MIC \$6
w/set purchase. MANUAL, partial repro, \$8.50

12 VDC 4 AMP SUPPLIES



STACO SOLID-
STATE 4 AMP
DC POWER SUP-
PLIES--NEW--

#FPS-4, fil-
tered 12 V; 5x3x5 1/2, 5 lbs sh. \$12.95 2/\$22.
#RFS-4, filtered and regulated 13.8 VDC;
5x3x5 1/2, 7 lbs sh wt. \$18.95 ea. 2/\$35.00

TELEREGISTER
READ-OUT
12 VOLT D.C.
IMPULSE COU-
NTER RACKET
TYPE NUMBERS 0-1-2-3-4-5-6-
7-8-9, NUMERAL "1" HIGH ON
ROTARY DRUM. UNITS MAY BE
GANGED. SIZE: 3 1/2x1 1/2x1 1/2 LE
TELEREGISTER K-1
Price: \$1 EA.

TELEMETER PROGRAM SELECTOR
USED FOR PAY TELEVISION.
CHOICE OF 3 PROGRAMS, PRE-
RECORDED TAPE GIVES PROG-
RAM INFO. & AMOUNT OF MONEY
THAT IS TO BE PUT IN REGIS-
TER FOR EA. PROGRAM. AS
SHOWN ON THE COIN REGISTER.
A 8 MC. SIGNAL IS USED TO
TRIGGER THE MECHANISM AND
WE ASSURED A 35 MC SIGNAL
CARRIES THE VIDEO AND VOICE
(ITEMS LISTED BELOW ARE PAR
T OF THIS UNIT AND CAN BE
PURCHASED SEPARATELY.)
SIZE: 15x7x7; WT: 25
LBS.
COMPLETE UNIT #1001/5 \$9.95

COIN REGISTER
MECHANISM
CONTAINS TWO
ACTUATING
PLATE TYPE SEL-
ENOID 300 AND
1200 OHMS.
CRATER 115V60 CYCLE, 5 RPM
SYNCHRONOUS MOTOR, OPEN FRA
ME 115 V. 60 CYC. GEARED MO
TOR, WITH GEARED MECHANISM
AS USED IN COIN OPERATED TV
PROGRAM SELECTOR SYSTEM.
ALSO GEARS, LITES COIN NUM-
BERING, RECORDING DIALS. ETC.
SIZE: 7x5x6; WT: 8 LBS.
TELE-REG. #1004 RE-MOVE \$5

TAPE MAGAZINE 1/4"
60 FT. CONTINUOUS
LOOP TYPE-HAS REC-
ORDING HEAD, FOR
20 RPM OPERATION.
USED WITH COIN
REGISTER DISCIBR-
ED ABOVE. (NOT MOTORIZED)
SIZE: 14x5x3; WT: 2 LBS.
TELE-TAPE #1003 RE-MOVE \$3.00

COIL & CONDENSER
TESTER W/OHMMETER
FOR AUTOMOTIVE USE
VIBRATOR SUPPLIES
THE NORMAL CURRENT
TO THE COIL AT PRO-
PER DUTY. CAPACI-
TORS ARE CHECKED
FOR CAPACITY, LEAK
AGE, RESISTANCE ET
C. ALSO FROM THESE
METER ALSO HAS A
100,000 OHMMETER
SCALE. METER IS 4 1/2" SATIN/
CHROME 500 MUA 2 1/2" ACCURACY.
VOLTAGE REQ. 6/12 VDC #332
W/TUBES 1/12AU7, 1/0AC7, 1/6X4
SIZE: 14x5x5; 10 lbs \$14.95 U

DUAL TESTER: R.P.M.
0-1000 & 0-5000 SC.
VOLTS SCALE 0-18 VDC
LOWER METER IS FOR
TESTING SPARK ADVAN-
CE. ALSO PUG FOR
TRANSUCCER ADAPTER.
USES TUBES 1/EA.2D21
6AL5, 6AU6, 50506 AND
500 MUA CHROME. COND. USED
SIZE: 13x5x5; WT: 13 LBS.
LESS TUBES \$9.95

8"x17" PLEXIGLAS
SHEETS, 1/8" th.
Clear, \$1.00 ea.
Smoked, \$1.25 ea.

801 DC DIFFERENTIAL VM,
cabinet style. Used \$27.

GENERAL MICROWAVE MODEL
MICROGRAPHS DC ON A WIDE, 117-
RORED SCALE. DESIGN ACCURACY:
0.25% SIZE: 7 1/2x7 1/2x3 1/2 SHG.
WT: 8 LBS. USED, \$16.

TELEMETER CHASSIS; WITH 4"
APEAKER, 2 PLATE RELAYS, R.F.
COILS FOR 8 MC. 115 V. 60 C
POWER SUPPLY, OUTPUT 150VDC
100MA & 6.3VAC3A. 8135 CRYST
W/TUBES 3/6U8, 6BE6, 6BA8 &
12BH7 LEA SIZE: 10 1/2x6x6; 10 LBS
TELE-CHASSIS #1002 RE-MOVE \$7

MODEL #337 TACH &
VOLTMETER: FOR AUT
OMOTIVE USE. TACH
RANGES 0-1000 & 0-
5000 RPM. VOLT DC
RANGE 0-18 ALSO
PROVISIONS FOR
PLUGGING IN TIMING
LITE. 8/TUBES 1/
0AC7, 1/2D21. METER
4 1/2" CHROME 500 MUA
FOR 6/12 VDC OPER.
SIZE: 13x5x5; 8 LBS. \$14.95U

hole. 1/2x1-5/8" dia. Similar to picture-\$4.95

FAIR RADIO SALES CO., INC.

1016 E. EUREKA, BOX 1105, LIMA, OHIO 45802
TELEPHONE: AREA CODE 419 227-6573

SHUNT

50 MV. 15 AMP
SIZE: 2x1 1/2 x 1 1/2
6625-810-6742
UNUSED \$2.50

FS=50 UA w/
mirrored
scale, zero
adj. Scale:
4.0-20.0 CMS
% HEMOGLOBIN.
Mount on panel
front or
behind. Fits 2 1/2" dia. hole.
5x6x2; Beede mfg., \$7.95

CALIBROCHEM meters,
FS=50 UA
2-3/8" square.
Used, \$4.95
#200037, 0-150
-350% GLUCOSE
scale.
#200039, 0-.3% BLOOD ALCHL.
#200056, 4-24% HEMOGLOBIN

TUBE TEST

REPLACEMENT METERS f/MERCURY
tube checkers.
Bad-?-Good
scale; can be
changed.
#990 FS-1 ma 2 1/2 x 2 1/2 \$3.00
#390 FS-1 ma 3 1/2 x 3 1/2 4.00
#3958 FS-1 ma Fan
type 3 1/2 x 3 1/2 4.25
#1000 FS-1 ma 4x4 1/2 5.00
#9000 FS-5 ma curved
fan type 7x5 6.00

CB METERS
clear
plastic
w/black
scales.
Scales are not linear.
Size: 1-9/16" sq. NEW \$2 ea
#3WR/CEM, FS=250 ua (100 ua
center); 1-2-3-5-cal so.
#PWR-3/CEM, as above but
0-5 pwr, 1-9 S-units.
#3-PWR/CEM, FS=200 ua (75
ua ctr); 1-9 "S", 1-5 pwr.

CLEAR PLASTIC
METERS, 2-3/8"
sq. fit 2-1/8"
dia. hole. EMI
mfg. Unused.
#DL145-2, 0-5-
50 MADC, FS-5 mado, \$4.95
#DL159-1, 0-50-500 MADC
scale, FS=50 mado, \$4.95
#D6650, 0-3 VDC, \$4.95

MICROMHOS DYNAMIC
MUTUAL CONDUCTANCE
USED IN I-177 tube
CHECKER BASIC 0-1.4
MA. HICKOK #1547A
STK# 3F1350 \$4.95

TV-2 REPLACEMENT
METER, 0-250
SCREEN VOLTS,
FS-1 MA. 2 1/2" RD.
SEALED. NEW \$5.95

DECIBELS

-10-0-64 DB 6MW 600 OHMS
2 1/2" RD. West. 2837 \$4.95
-12-0-84 DB 100 UA=FS 3 1/2" RD.
BLK. RUGG. WAC4586 N \$7.95
-12-0-+8 DB, FS=100 ua, 3 1/2"
rd. blk. face. Used, \$5.95
-20-0-34 DB FS-199 MUA 2 1/2" R
#GA50934 USED \$4.95

OTHER VALUES IN STOCK, WRITE

POWER SET +6 TO 0 TO-3
2 1/2" RD. FS-200 UA, WAGLINE
1496/400 RUGG/SEAL U \$3.95

MULTIMETERS
by Modutec.
5x4, zero
adj, mirror-
ed scale.
Fits 2-5/8"
dia. hole.

#841256, 0-10 VDC-VA-VAC r-
ms; FS=50 uado. New \$7.95
#841974, 0-10 VDC-AC rms-UA
DC, 0-28 VAC p-p, OHMS.
FS=100 uado, new, \$7.95
#821155, 0-+100 VDC, 0-75-
150 MADC; FS=100 uado. Not
mirrored; 3x2 1/2. Fits 2-1/8
dia. hole. Unused, \$5.95

DUAL SCALE METER
0-1 MA MOVEMENT
TWO MECHANICALLY
SWITCHED SCALES,
0-25, 0-125. FOR
BEHIND PANEL MTC.
CAN BE ILLUMINATED
SHAFT EXTENDS 3/8" FRONT AND
REAR. 2 1/2 x 1 1/2 FACE, 2 1/2 x 3 1/2 OVE
ALL. UNUSED \$4.95

ROENTGENS
PER HOUR METER
50 MICROAMPERE
D.C. full scale
3 1/2" RUGGEDIZED
REMOVEABLE
PLASTIC LENSE,
BLACK FACE.
TOP SCALE 0-500, LOWER 0-10
#300-10764 UNUSED \$3.95

BALLETINE
V.T.V.M.
METER
ONLY
AC VOLTS
1-10
DECIBELS
0-20
Weston 643
4 1/2" or EQ.
MFG. PT. NO. 205007 NEW
STK#6625-557-0899 \$8.95

OUTPUT METER
FOR TS-497B AND
TS-497C SIGNAL
GENERATORS.
300-0-300 DC
MICROAMPS. 3 1/2" RD.
MARION HS3, #5705 NEW \$7.95

DC VOLT METER 3
IN. Sq.No scale
COLORED SEGMENT
SIMPSON MFG. NEW
50 VDC #1913 \$6
25 VDC #1906 \$6

REPLACEMENT METERS, good
meters removed f/equipment.
TS-352/ME-9 4 1/2" rd., \$15.00
ME-26D, 4 1/2" rd., \$15.00
ME-61/USM-34, unused, \$12.
TV-7 tube test, 3 1/2" rd, \$12
RT-66-67-68 xmitters 1 1/2" \$8

GENERAL ELECTRIC
AD-6 PANEL METER
0-300 VAC 25-125
Hz, high accuracy
for lab use.
Metal case 5 1/2 x 5 1/2
x 4 1/2, 6 lbs sh.
Unused, \$29.95

RUNNING TIME

RUNNING TIME
METER, 3 1/2" rd,
5-place; 115
VAC 60 Hz.
#RIM-WRT-1,
Used, \$9.95

LP-GAS METER, 0-1
VDC full scale.
Mounts in 2" dia.
hole. Chrome
finish #48560-2,
\$1.50 ea.

STORE HOURS
9 A.M. to 5:30 P.M.
MONDAY THRU FRIDAY
9 A.M. TO 1 P.M. SATURDAY

TERMS

PRICES NET, F.O.B. LIMA, OHIO
SEND MONEY ORDER, CER-
TIFIED CHECK, VISA, or
MASTERCARD with PURCHASE
ORDER for IMMEDIATE SER-
VICE.

We reserve the right to hold an
order accompanied by personal
or company check until after
check clears the banks.

MINIMUM ORDER \$5.00
Orders less than \$5.00
ADD \$1.00 HANDLING CHARGE.

Include sufficient money for
shipping charges. (UNUSED
PAYMENTS RETURNED AT
ONCE.) Otherwise we will send
shipping charges collect.

C.O.D. ORDERS, SEND 50% of
PURCHASE with ORDER. CASH
BALANCE will be COLLECTED
UPON DELIVERY.

When writing for information
PLEASE state what specific
information you desire.

DESCRIPTIONS

ALL MATERIAL OFFERED IN
THIS CATALOG IS IN "USED-
COMPLETE" CONDITION, UN-
LESS QUALIFIED AND/OR
NOTED AS "RECONDITIONED,"
"UNUSED," OR "NEW."
MERCHANDISE IS NOT OPER-
ATIONALLY CHECKED UNLESS
SPECIFIED AS "CHECKED."
EQUIPMENT DESCRIBED AS
"REPARABLE"--MEANING "A-
BLE TO BE REPAIRED"--IS
ELECTRO-MECHANICALLY COM-
PLETE, BUT REQUIRES SOME
TROUBLESHOOTING BY THE
CUSTOMER.

AC VOLTMETERS

0-3vac 3"RD. SUB PANEL MTG
1000 P/V 2F8003-11NEW \$7.
0-7.5vac 3"RD. STD.
WEST. CAY2237 NEW \$6.95
0-10 VAC 2 1/2" rd. \$4.95
3 1/2" rd or sq \$5.95 var.mfg.
0-30 VAC 3 1/2" rd. various
mfg. unused \$8.95 used \$7
30-150 VAC 60 Hz, various
mfg: 2 1/2" rd., used, \$6.95
3 1/2" rd., used, \$8.95
0-300 VAC, 2 1/2" rd, used \$6.
0-100 VAC, 3 1/2" rd., Hickok
Model 47M, used, \$5.95
0-15 VAC, 3 1/2" rd., various
mfg., used, \$5.95
0-50 VAC, 1000u/v, 3 1/2" sq.
WESTON 301, UNUSED, \$6.95

AC AMMETERS

0-150 ACA, 3 1/2" rd, FS=5 amp
black face, unused, \$6.95
AC MILLIAMPERES Rectifier
type, 0-250 & 0-500 scale
2 1/2" rd. ruggedized
Marion Electric HM-2 \$6.95
0-10 AMPS AC, 3 1/2" rd., Wes-
ton 1534, unused, \$12.00
0-125 ACA FS=5A for 400 Hz
3 1/2" rd. Hickok #470951 \$10
0-100 microamp a.c 2 1/2" rd.
Weston-506 or equal UN\$6.95

D.C. MILLIAMPS.

FS=1 MADC, 0-5-25 indicated
2 1/2" rd. sealed. #1031 \$4.95
0-3 MA-DC, 3 1/2" rd. sealed.
#4081, unused, \$6.95
0-80 DCMA SCALE
2 1/2" RD. RUGG. #8274 N \$4.95
0-100DCMA 100MA. MOVE.
3 1/2" RD. RUGG. #4265 N \$6.95
0-150 DCMA SC. USED
3 1/2" RD. STD. CAY22061 \$5.95
0-200 DCMA SC. 2 1/2" RD. USED
#MR25200DCMA \$3.95
0-200 DCMA SC. 3 1/2" RD NEW
GE-CG22063 \$5.95
0-20 MA-DC, 3 1/2" rd. Various
mfg. Used, \$5.50 Unused \$7.
0-500 MADC, 3 1/2" sq. Simpson
Used, ptr. tip bent, \$4.95
0-15-300 MA-DC, FS=15 mado,
3 1/2" rd. Various mfg. \$5.95
1-0-1 MADC, 2 1/2" rd sealed;
various mfg., used, \$6.95
0-50 MADC, 3 1/2" rd., various
mfg., used, \$6.95

OTHER VALUES IN STOCK, WRITE

D.C. MICROAMPS.

0-200 UADC, 3 1/2" rd. sealed;
Var. mfg. #3981, new, \$3.95
0-200 UADC and -8-0-+6 DB,
2 1/2" rd. sealed, new, \$4.95
0-500 UADC, 2 1/2" rd., Var.
mfg. Used, \$4.95
500-0-500 UA-DC, 3 1/2" rd.,
various mfg., unused \$6.95
100-0-100 UA-DC, 2 1/2" rd.
sealed; Honeywell, U, \$4.95
50 UA MOVEMENT, SCALE -30,
0, 150, POINTER AT ZERO, SEAL
ED, 2 1/2 RD USED TRC30150 \$4
50 UA MOVE, SCALE 0-100 %
MOD/PEAK VOLTS. SEALED
2 1/2 RD USED TRC10050 \$4.00
FS-50 UA, 0-3000 watt scale
3 1/2" rd sealed, unused \$6.95
0-100 UA-DC, 2 1/2" RD. SEALED
VARIOUS MFG., USED, \$4.95

OTHER VALUES IN STOCK, WRITE

FAN-SHAPED ME-
TERS, plastic w/
zero adj. 3" top
2 1/2" bottom; 3" H.
Fits 2" dia. hole
EMI mfg. Unused.
#EMI-200UA, 0-50-
150 VDC, FS=200 ua, \$4.95

#EMI-5VDC, 0-5 VDC, \$5.95
#EMI-25VAC, 0-25-250 VAC
scale; FS=25 VAC, \$5.95
#EMI-FS-50MA, 0-500 MADC
scale; FS=50 mado, \$5.95

SMALL METERS 1 1/2"
square; sealed \$8
#20AU10, 0-20 UA
x10; FS=200 ua.
#3533; 0-10; Full
scale 1 ma. Intl mfg.
#0728, 0-10, FS=50 mv; blk
face, Weston 151. Unused.
#7963; 0-10 scale, FS=1 ma,
1 1/2" dia., Ideal S-100.

D.C. VOLTMETERS

0-50 VDC EDGEWISE; 1 1/2" X 1 1/2"
X 1 1/2". HONEYWELL, NEW, \$8.
0-15-600 VDC, 2 1/2" rd black
face; w/mult. code-Used \$6.
0-10 VDC, 3 1/2" rd. Various
mfg. Used, \$5.95
0-5 VDC, 3 1/2" rd., various
mfg., used, \$6.95
0-50 VDC, 3 1/2" rd or square,
various mfg., used, \$7.95
0-100vdc sc. 2 1/2" RD. RUGGED
#9545 NEW \$5.95
0-75 VDC, 3 1/2" round. Vari-
ous mfg. Unused \$8.95
0-200 VDC, 3 1/2" rd. sealed;
various mfg. Used, \$6.95
0-300 VDC, 2 1/2" round; vari-
ous mfg. Unused \$5.95
0-500vdc sc. 3" sq.
#231-1624 USED \$5.95
0-500VDC SC. 2 1/2" RD. RUGGED
FS-50MUA #683-9829 NEW \$5.95
KILOVOLTS DC, FS=1 MA:
0-1.5 KVDC 3 1/2" rd. Used \$6.
0-4 KVDC, 3 1/2" rd. Unused \$7
OTHER VALUES IN STOCK, WRITE

R.F. AMMETERS

0-5 RFA 2 1/2" rd. 20Hz-20mc
CAY-22026A cal. 60Hz \$9.95
0-15 RF AMMETER, 3 1/2" rd.;
various mfg., used, \$16.95
0-100 RF MILLIAMMETER, 2 1/2"
rd sealed; unused, \$9.95
0-5 Ant Curr. w/trans coil,
2 1/2" rd. M101/ART-13 used \$9
0-15 RF, 3" sq. FS=1 ma;
Simpson 271, U, \$8.95

AC FREQUENCY

METER
48-52 and 58-
62 HZ, 100-
150 VAC, ten
reads. 3 1/2"
rd sealed; 2 lbs.
#974-9364, unused, \$27.95

DC AMMETERS

DC AMMETERS, FS-50 mv Used
0-50, 2 1/2" rd., \$6.95
0-150, 3 1/2" square, \$7.95
0-200, 2 1/2" rd-unused, \$8.
0-1500, 3 1/2" rd., \$7.95
0-2 ADC, 3 1/2" rd., Westing-
house NX-35, used, \$8.95
0-50 ADC, 3 1/2" rd., Weston
301; unused, \$12.00
0-10 AMPS DC, 3 1/2" rd., var-
ious mfg., used, \$10.95
AUTOMOTIVE TYPES, 2 1/2" rd:
-40-0-40, unused, \$3.95
50-0-50, unused, \$3.95

BIG LOOK
0-20 DCMA SCALE
50 mv 3 1/2" N \$8.



STUFFER #4-80

ODDS & ENDS, LEFTOVERS, ETC. sold as "reparable" --many at REDUCED prices. Effective thru 8-1-80. Please indicate STUFFER #4-80 when ordering.



Fair Radio Sales Co.

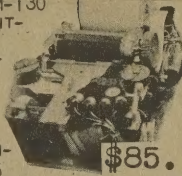
P. O. Box 1105 -- 1016 E. Eureka St.

Lima, Ohio 45802

419/227-6573

MATRIX PRINTER

VICTOR COMPTOMETER MODEL 1PM-130 MATRIX PRINTER; USED IN POINT-OF-SALE REGISTER SYSTEMS. UNIT HAS THE FOLLOWING FUNCTIONS: LINE FEED, RETURN, AND CARRIAGE FORWARD. WITH SEVEN PRINT SOLENOIDS. CONTROL ELECTRONICS NOT AVAILABLE; NO COVER. SCHEMATIC INCLUDED. POWER REQUIRED: 115 VAC 60 Hz. 8x10x4; 13 LBS. UNUSED, \$149.50



\$85.



H-P 522B ELECTRONIC DECADE COUNTER, 10 Hz to 120 KHz FREQ. RANGE; PERIOD: .00001 Hz to 10 KHz. TIME INTERVAL: 10 U-SEC TO 100K SEC. RACKMOUNT. 19x10x13; SHGP

WT: 60 LBS. USED, REP. \$60. \$35.00

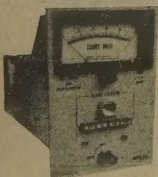
BECKMAN COUNTERS

BECKMAN 7360 UNIVERSAL E/PUT METER AND TIMER, INDICATES E/PUT, PERIOD, AND TIME. DC TO 1 MHZ RESPONSE; PERIOD: 1 U-SEC TO 10 SEC. SEVEN DECADES. 22x10x16; SHGP. WT: 65 LBS. USED, REP., \$50.



7370 UNIVERSAL E/PUT METER, SIMILAR TO 7360 EXCEPT DC TO 11.5 MHZ. USED, REPARABLE, \$75.

#7360 - \$30. #7370 - \$40.



ROYCO MODULE 515 DATA COUNTER PLUG-IN for particle monitors BEEDE meter relay trips one of two 12 VDC relays at pre-set count rate. Meter FS=1 ma 10K or 100K counts/min. Alarm Override permits push button 100, 1K, 10K, and 100K counts/min. range selection. Uses four printed circuit card. Requires 115 VAC 60 Hz, +30 VDC and -15 VDC. 8x6x11; 7 lbs. sh. Used, excellent.

Price: w/FS=10K count, \$40.00; \$25.



MULTI-VOLTAGE POWER SUPPLIES.

THE FOLLOWING POWER SUPPLIES HAVE HARMONIC REGULATED POWER TRANSFORMERS. SOME OUTPUTS ARE ALSO TRANSISTOR REGULATED.

PS736 HAS THE FOLLOWING OUTPUTS: 30V 0.5A 30V 1A, 10V 4A REG., 10V 4A REG., 3.6V 1A REG. THE OUTPUTS ARE INDEPENDENT OF EACH OTHER. 22x6x6. \$12. SH WT 30LBS #2090200

PS735 HAS THE FOLLOWING OUTPUTS: 30V 0.5A 30V 1A, 10V 0.5A, 10V 1A. 10V OUTPUTS ARE TRANSISTOR REGULATED. 22x6x6. SH WT 30LBS. PS-55685. \$9. \$11.95

CCC-20409 POWER SUPPLY; INPUT: 115 VAC 60 Hz. OUTPUT: 12 VDC @ 300 MA. (OUTPUT FROM TRANSFORMER: 14 VDC @ 1.5 AMPS.) IN ALUMINUM CASE. SIZE: 8x11x8. WT: 20 LBS. UNUSED, \$9.95 \$7.



KLYSTRON POWER SUPPLY



GENERAL MICROWAVE MODEL 303 KLYSTRON POWER SUPPLY; BEAM VOLTAGE VARIABLE FROM -250 TO -400 VOLTS AT 30 TO 50 MA. MAXIMUM. REFLECTOR VOLTAGE VARIABLE FROM 0 TO -900 VOLTS @ 10 U.A. REFLECTOR VOLTAGE INTERNALLY MODULATED AT

1000 HZ SQUARE WAVES ADJUSTABLE UP TO 110 VOLTS PEAK TO PEAK. EXTERNAL MODULATION VIA FRONT PANEL TERMINAL, 100,000 OHM IMPEDANCE. SINUSOIDAL POWERLINE FREQUENCY, VARIABLE FROM 0 TO 350 VOLTS PEAK TO PEAK. POWER REQUIRED: 115 VAC 50/60 HZ. SIZE: 11x13x7; SHGP. WT: 25 LBS. WITH MANUAL (NO SCHEMATIC) PRICE: UNUSED \$45.00 \$25.

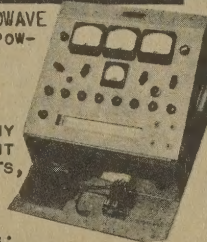
FREQUENCY COUNTER



FR-114/TSM-16 FREQUENCY METER WITH SIX NIXIE TUBE READOUT. COUNTS EVENTS IN THE 20 Hz TO 1 MHZ FREQUENCY RANGE. COUNTING INTERVALS: 0.0001, 0.001, 0.01, 0.1, 1.0 OR 10 SECONDS. DISPLAY TIME CONTINUOUSLY VARIABLE FROM LESS THAN 1 SEC TO 5 SEC. 100 KHz INTERNAL CHECKING SIGNAL. MANUAL OR AUTOMATIC CYCLING. SINE-WAVE INPUT MUST HAVE HIGH SIGNAL-TO-NOISE RATIO AND AMPLITUDE OF 0.2-50 VRMS; OTHER WAVEFORMS CAN BE APPLIED BUT LEVEL METER MUST BE DISREGARDED. TIME INTERVAL MEASUREMENTS REQUIRE TWO SUCCESSIVE NEGATIVE PULSES 3-8 V. IN AMPLITUDE AND 0.2 TO 10 U-SEC DURATION. 115/230 VAC 50-1000 HZ OPERATION. SIZE: 8x19x14; SH WT: 70 LBS. PRICE: USED, REPARABLE, \$45. \$60.00

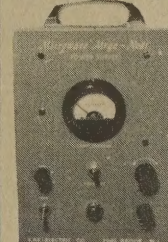
KLYSTRON TUBE TESTER

TV-13/POLARAD S-200 MICROWAVE TUBE TESTER, CHECKS LOW POWER EXTERNAL AND INTERNAL CAVITY KLYSTRONS, PENCIL TRIODES, AND LIGHTHOUSE TUBES LIKE 2C39B, 2K25, 6BM6A, QK-SERIES, AND MANY OTHERS. TESTS FOR FILAMENT CONTINUITY, SHORT CIRCUITS, DC VOLTAGES AND CURRENT, LIFE, RF MEASUREMENT. HAS METERS FOR 0-100-500 GRID AND REFLECTIVE VOLTS; 0-1500-5000 BEAM VOLTS; 0-5-100 MILLIAMPS; AND 0-10 FILAMENT VOLTS. FOUR VARIABLE TRANSFORMERS SET REFLECTOR, BEAM, FILAMENT, AND GRID VOLTS. WITH TEST DATA ROLL CHART, COOLING FAN FOR TUBES UNDER TEST, AND TEST LEADS. POWER REQUIRED: 115 VAC 50-60 HZ. 15x19x16; 120 LBS SH WT. USED, REPARABLE, \$150.00



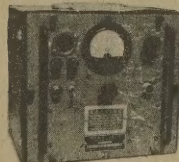
Less cables/leads - \$100.

NOISE GENERATOR



RG-52 MICROWAVE MEGAWATT NOISE GENERATOR WITH POWER SUPPLY. USED FOR THE MEASUREMENT OF NOISE FIGURE OR RECEIVER GAIN AND FOR THE CALIBRATION OF STANDARD SIGNAL SOURCES. FLUORESCENT GAS TUBE GIVES 8200 MHZ TO 12400 MHZ FREQUENCY RANGE. HAS THERMOMETER ATTACHED TO AID IN ADJUSTING THE WAVEGUIDE. THE NOISE POWER OUTPUT IS 15.8 DB. WITH AN MOUNTING FLANGE UG-39/U. POWER SUPPLY INPUT 115V. 50-60 HZ. WAVEGUIDE SIZE: 16x5x1; WT: 2; LBS. POWER SUPPLY SIZE: 11x7x7; WT: 15 LBS. PRICE: WAVEGUIDE W/POWER SUPPLY, UNUSED \$20.

TS-305B POWER METER



TS-305B/UP POWER METER USED TO MEASURE PEAK RF POWER OF RADIO AND RADAR SETS. FREQUENCY RANGE: 220 TO 320 MHZ. POWER RANGE: 0 TO 50 KILOWATTS INDICATED ON 3" ROUND MICROAMMETER. INPUT IMPEDANCE: 50 OHMS. POWER REQUIRED: 115 VAC 50-1600 HZ. SIZE: 12x11x10; SHGP.

WT: 32 LBS. PRICE: USED, REPARABLE, \$45.

GUARD RECEIVER

TRANSISTORIZED GUARD RECEIVER FROM MODIFIED RT-178/ARC-27; REPLACES ORIGINAL TUBE TYPE. UNIT CONTAINS GOLD-WASHED IF, RF, AND AUDIO AMPS; DESIGNED FOR SINGLE GUARD CHANNEL FROM 238 TO 248 MHZ. 1ST I.F.-25.1 MHZ; 2ND I.F.-3.45 MHZ. WITH OWN DETECTOR, NOISE LIMITER, AND AVC SECTIONS; 4/2N1745 TRANSISTORS AND 25.1 MHZ BANDPASS FILTER. 8x4x4; 6 LBS. SH. #5821-953-9695, \$14.95



NON-LINEAR SYSTEMS DIGITAL DC VOLTMEAS WITH RATCHET-TYPE 1 1/2" HIGH READOUTS; AC POWERED. USED, REPARABLE.

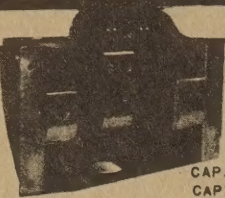


MODEL 481 9.999 TO 499.9 VDC, \$35.00
484A 9.999 TO 999.9 VDC, AUTO, \$45.00

#481 - \$24. #484 - \$33.

TRANSISTORIZED SIGNAL TRACER FOR USE IN RF, IF, AND AUDIO CIRCUITS. INPUT IMPEDANCE: 30,000 OHMS (AF) AND 50,000 OHMS (RF). WITH 2" 8 OHM SPEAKER, TEST LEADS, AND 9 V. BATTERY. 2x5x1 1/2; WT: 3 LBS. NEW, \$9.95 \$7.95





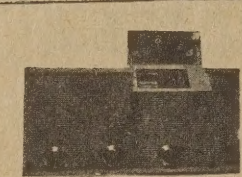
GM-4 AMMUNITION BOOSTER
GEARED MOTOR MOUNTED IN-
SIDE FRAME WITH SHAFT &
SPROCKETS THAT ARE 3 1/2" DI
& 3 1/2" APART. MOTOR DESIG-
NED FOR 24 V. 400 CYC.
3 PHASE, BUT CAN BE OPER-
ATED FROM 24 V. 60 CYC
@ 20 RPM BY USING 4 BFD
CAP. USING HIGHER CAP.
CAP. HIGHER CAP. WILL INCR-
EASE SPEED AND TORQUE.
STAINLESS STEEL FRAME CAN BE
REMOVED EASILY. INST. FURNISHED.
SIZE: 7 1/2 x 2 1/2 x 5 1/2: 10 LBS. GE#9160256-G4M N. \$5.95



MA-1 RANGE SERVO TEST SET
USED FOR TESTING AND TROU-
BLE SHOOTING AIR FORCE
TYPE "A" SERIES RANGE SER-
VOS. SPECIFICALLY, TEST
PROVIDES MEANS OF MEASUR-
ING THE VARIOUS OPERATING
VOLTAGES OF THE RANGE SER-
VO UNDER TEST AND LOCALIZ-
ING THE TROUBLE WITHIN A RADAR GUNSIGHT SY-
STEM. CONTAINS 3 1/2" 50 MICROAMMETER WITH 0-60
0-150 SCALES IN RED FOR ACV & 0-50/500 VDC
SCALE IN BLK. SELECTOR SWITCHES, INDICATOR
LIGHTS AND FOUR GORN CONNECTORS 12M & 12F
WHICH ARE MALE & FEMALE 12 CONTACT ALSO CABLE
WITH MATCHING DETACHABLE PLUGS.
SIZE: 10 1/2 x 10 7/8 IN ALUMINUM CASE. WT: 18 LBS.
PRICE: RE-NEW \$15.00

TUNED CAVITY

TS-545/UP TUNED CAVITY,
DESIGNED TO INDICATE RELA-
TIVE POWER, OUTPUT, FRE-
QUENCY, RESONANCE, AND
GENERAL EFFECTIVENESS OF
A RADAR SYSTEM; RECEIVES
AND TRANSMIT FROM 1150 TO
1350 MHZ PULSED. RESON-
ANCE INDICATED BY NEEDLE
DEFLECTION OF 3 1/2" ROUND
0 TO 100 DC MICROAMMETER.
FREQUENCY READ FROM VERNI-
ER-TYPE DIAL. DECAY: 3.5 DB/U-SEC; SENSITI-
VITY: 1 DB POWER LOSS FOR 50 YARDS RING-TIME
POWER REQUIRED: NONE. SIZE: 11 1/2 x 8 1/2
SHPG. WT: 40 LBS. PRICE: USED, \$49.50
TS-270 SIMILAR TO ABOVE 2630-2970 MHZ \$39.95



TELEMETER PROGRAM SELECTOR
USED FOR PAY TELEVISION.
CHOICE OF 3 PROGRAMS, PRE-
RECORDED TAPE GIVES PRO-
GRAM INFO. & AMOUNT OF MONEY
THAT IS TO BE PUT IN REGIS-
TER FOR EA. PROGRAM, AS
SHOWN ON THE COIN REGISTER.
A 8 MC. SIGNAL IS USED TO
TRIGGER THE MECHANISM AND
WE ASSUMED A 35 MC SIGNAL
CARRIES THE VIDEO AND VOICE
(ITEMS LISTED BELOW ARE PART
OF THIS UNIT AND CAN BE
PURCHASED SEPARATELY.)
SIZE: 15 x 7 x 7; WT: 25 LBS.
COMPLETE UNIT #1001/5 \$9.95

GENERAL RADIO TYPE 371 OLD
PRECISION POT, 20K OHMS.
2 1/2 x 2 1/2; #283-7444, \$2.95

DE-JUR DUAL POTENTIOMETER,
OLD STYLE, 10K OHMS.
MODEL 2600, 3 1/2 x 4 1/2, \$1.50

GENERAL RADIO POT TYPE 314
S64, 100K OHM, 3 1/2 x 1 1/2, 3/16"
SHAFT. #7622541, \$2.95

FAIRCHILD TYPE 746, 23K OHM
2.5 WATTS, 1% POT. 1 1/2 x 1 1/2,
#7630490, \$3.95

THE MUTER CO. TYPE 433 AC
POT (REAL ANTIQUE), 10K
5 x 2 1/2. #C10B-2738, \$1.50

SPECTROL MODEL 300-5041
DUAL 100K OHM LINEAR POT;
5%. 2 1/2 x 1 1/2, #1258, \$4.95

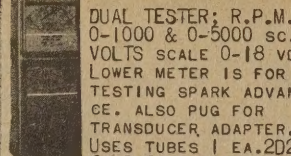


BELL SINGLE STROKE 50-90
VOLTS D.C. 2 1/2" GONG.
PARTRICK & WILKENS 90VDC \$2

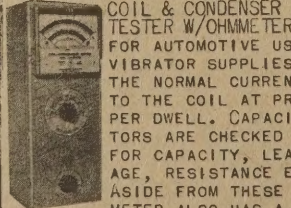
BELL 20 HZ. 90 V. FOR TEL-
EPHONE HAND CRANK GENERAT-
2 1/2" GONG. WHEELOX VP2-1 \$5

BUZZER 6-12 VDC. 1 1/2 x 1 1/2"
EDWARDS#1372 PC90788C \$2

RELAY SENSITIVE TYPE 300
OHMS, OPERATES 2.05 VOLTS
S.P.D.T. RCA11801-1 \$1.50



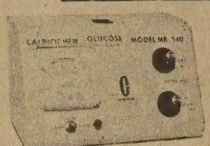
DUAL TESTER; R.P.M.
0-1000 & 0-5000 SC.
VOLTS SCALE 0-18 VDC
LOWER METER IS FOR
TESTING SPARK ADVAN-
CE. ALSO PUG FOR
TRANSDUCER ADAPTER.
USES TUBES 1 EA. 2D2,
6AL5, 6AU6, 5696 AND
2/0A2. TWO 4 1/2" METER
500 MUA CHROME. COND. USED
SIZE: 13 1/2 x 5 1/2; WT: 13 LBS.
LESS TUBES \$9.95 W/TUBES \$15



COIL & CONDENSER
TESTER W/OHMETER
FOR AUTOMOTIVE USE
VIBRATOR SUPPLIES
THE NORMAL CURRENT
TO THE COIL AT PRO-
PER DWELL. CAPACI-
TORS ARE CHECKED
FOR CAPACITY, LEAK
AGE, RESISTANCE ET
ASIDE FROM THESE
METER ALSO HAS A
#332 100,000 OHMMETER
SCALE. METER IS 4 1/2" SATIN/
CHROME 500 MUA 2% ACCURACY.
VOLTAGE REQ. 6.12 VDC #332
W/TUBES 1/12AU7, 1/0A2, 1/6X4
SIZE: 14 x 5 1/2; 10 LBS \$14.95 U

TAKE 50% OFF MARKED PRICES THESE ITEMS!

SUGAR READER

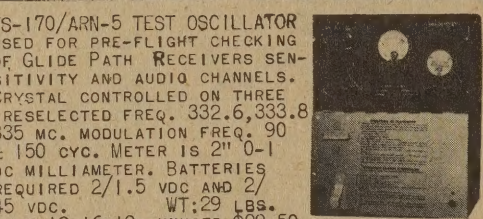


CALBIOCHEM MR340 GLUCOSE
MINI-READER; A SMALL
FIXED-WAVELENGTH (340 NM)
ULTRAVIOLET PHOTOMETER
DESIGNED TO MEASURE GLU-
COSE LEVELS IN BODY FLU-
IDS. USE OF THE INSTRU-
MENT INVOLVES THE PLAC-
ING OF A SAMPLE SOLUTION IN A SPECIAL CULVET
(NOT AVAILABLE) BETWEEN THE KNOWN LIGHT
SOURCE AND A PHOTORESISTIVE CELL.
REQUIRED: 115 VAC 60 HZ. SIZE: 4 x 7 1/2 x 4 1/2;
SHPG. WT: 6 LBS. PRICE: UNUSED, \$29.95

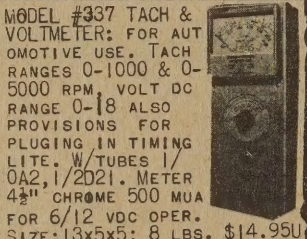
DUAL BLOWERS



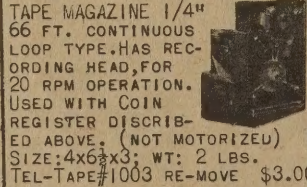
DUAL HIGH VOLUME BLOWER
210 VOLT 60 HZ 3450 RPM
1/8 HP MOTOR, 450 CFM
(ESTIMATED), INLET 3 1/2"
OUTLET 4" DIA. MOUNTED
ON FRAME 29 x 6 1/2 IN. (FRAME CAN BE REMOVED)
WT: 40 LBS. URC#683-KP USED \$12.95
ROTRON HEAVY DUTY DUAL BLOWER, 220 VOLT 2 A.
3 PHASE, 3100 RPM, 50/60 HZ. MOTOR SHAFT
1/2" DIA. 2-1/2" LG. BLOWER INLET 4" OUTLET
WITH FLANGE 5 1/2 x 5 1/2, MOUNTING BASE 6 x 9 1/2".
WT: 40 LBS. URC#4345 USED \$24.95



TS-170/ARN-5 TEST OSCILLATOR
USED FOR PRE-FLIGHT CHECKING
OF GLIDE PATH RECEIVERS SEN-
SITIVITY AND AUDIO CHANNELS.
CRYSTAL CONTROLLED ON THREE
PRESELECTED FREQ. 332.6, 333.8
335 MC. MODULATION FREQ. 90
& 150 CYC. METER IS 2" 0-1
DC MILLIAMETER. BATTERIES
REQUIRED 2/1.5 VDC AND 2/
45 VDC. WT: 29 LBS.
SIZE: 12 x 16 x 12; UNUSED \$29.50



MODEL #337 TACH & VOLT-
METER: FOR AUT
OMOTIVE USE. TACH
RANGES 0-1000 & 0-
5000 RPM. VOLT DC
RANGE 0-18 ALSO
PROVISIONS FOR
PLUGGING IN TIMING
LITE. W/TUBES 1/
0A2, 1/2021. METER
4 1/2" CHROME 500 MUA
FOR 6/12 VDC OPER.
SIZE: 13 x 5 1/2; 8 LBS. \$14.95U
COIN REGISTER
MECHANISM
CONTAINS TWO
ACTUATING
PLATE TYPE SEL
ENOIDS 300 AND
1200 OHMS.
CRAMER 115V60 CYCLE, 5 RPM
SYNCHRONOUS MOTOR, OPEN FRAM-
E 115 V. 60 CYC. GEARED MO-
TOR, WITH GEARED MECHANISM
AS USED IN COIN OPERATED TV
PROGRAM SELECTOR SYSTEM.
ALSO GEARS, LITES COIN NUMB-
ERING RECORDING DIALS ETC.
SIZE: 7 x 5 1/2; WT: 8 LBS.
TELE-REG. #1004 RE-MOVE \$5



TAPE MAGAZINE 1/4"
66 FT. CONTINUOUS
LOOP TYPE. HAS RE-
CORDING HEAD, FOR
20 RPM OPERATION.
USED WITH COIN
REGISTER DISCIB-
ED ABOVE. (NOT MOTORIZED)
SIZE: 4 x 5 1/2 x 3; WT: 2 LBS.
TEL-TAPE #1003 RE-MOVE \$3.00
TELENETER CHASSIS; WITH 4"
APEAKER, 2 PLATE RELAYS, R.F.
COILS FOR 8 MC. 115 V. 60 CYC
POWER SUPPLY, OUTPUT 150VDC
100MA & 6.3V3A. 8135 CRYST.
W/TUBES 3/6U8, 6BE6, 6BA8 &
12BH7 1EA. SIZE: 10 1/2 x 6 1/2; 10 LBS
TELE-CHASSIS #1002 RE-MOVE \$7

EQUIPMENT PARTS -- Write
your specific needs.
* * * * *

For TV-2 & TV-7 tube
testers: Meters, \$8 ea.
Switches, \$3.00 each

For R-390A, R-392, and
R-388 receivers:
Slugs \$3 ea. Coils \$7 ea.
Need other parts? Write
for quote.

TMC MSR-4 (CV-591) SSB
CONVERTER, 2-32 Mhz.
30 lbs sh. Used, \$145.

FLUKE 8300A DIGITAL VM:
DC-AC-MV/ohms-BCD out,
5 1/2 digit. Repairable \$275

TSI UNIV. COUNTER, 10 Hz
to 2.5 Mhz, dual-channel
time interval, rep. \$125

TERMS: Cash, MasterCard,
or VISA. F.O.B. Lima, Oh.



TRANSMITTER P.A. COIL VARI-
OMETER TYPE 5.3-7mc.
4 x 2 1/2" #7249 RE-MOVED \$2

TRANSMITTER OSC. M.O. COIL
FOR 7-9.1 MC. #6032 REM \$1

RECEIVER I.F. COIL 2830KHZ
7277 6-9.1 MHZ 1ST I.F. \$2
7278 NOT AVAILABLE, 7277
CAN BE USED F/7278, RE-MTG.
7279 6-9.1 MHZ 3RD IF \$2.
5856 6-9.1 " OSC. \$1.50
6234 6-9.1 " RF SECTION \$5

RECEIVER COILS 1415 MHZ
7274 3-6 MHZ. 1ST I.F. \$2
7275 " " 2ND I.F. \$2
CAN BE RE-MOUNTED USE 7274
T-4/FRC TRANSMITTER COILS
PLUG-IN TYPE WITH BANANA
JACKS

NUMBER	FREQUENCY KHZ	
1535	2900-2850	\$4
1541	3516-3800	\$4
1537	5845-5000	\$4
1548	5195-6000	\$4
1549	7180-7573	\$4
1538	7573-7600	\$4
1542	9230-10000	\$4
1543	11720-12000	\$4
1544	14850-15000	\$4

Stock# USE T-4 & COIL #
COILS-MIXED-NUMBERS-TRANS.
WITH BANANA JACKS.
NUMBER FREQUENCY KHZ
2354 3550-4500 \$4
2356 5750-7200 \$4
2359 12.7-18000 \$4
20113 2000-3500 \$4
#5950 LARGE COILS & (NUMBER



MEISSNER PLUG-IN COILS, 3
IN SET INCLUDING OSC. GRID,
OSC. PLATE, AND BUFFER.

No.	KHZ	PRICE
3C368-14	1000-1170	\$3.00
3C2500-51	2040-2410	2.00
3C2500-52	2395-2835	2.50
3C2500-17	7580-7880	2.50

RU-18 & RU-19 RECEIVER
COIL SETS & ACCESSORIES

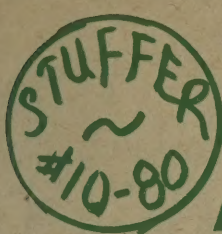
CW	FREQ	PRICE
CW-47068	850-1330 KHZ	\$6
CW-47069	1330-2040 "	\$5
CW-47070	2040-3000 "	\$5
CW-47072	4000-6000 "	\$5
CW-47075	9050-13575 "	\$5
CW-47108	540-830 &	\$8
	5200-7700 "	\$8
CW-47204	540-830 &	\$8
	2040-3000 "	\$8
CW-46011	MOUNTING BASE	\$3
CW-62007	JUNCTION BOX	\$3
CW-23012	REMOTE TUNER	\$3
CW-23087	SWITCH BOX	\$3
CW-22266	TEST METER	\$6

WILCOX RECEIVER BFO COIL
455 KHZ, DUAL AIR TRIMMER
WITH 1/2" SHAFT TOP OF CAN
229644.4 \$2.00

BC-683 LC3C COIL \$2.00

BC-348Q RECEIVER I.F. COILS
1st 9A1952 #147 \$3.00
2nd 9A1953 #148 \$3.00

BUD TRANSMITTING PLUG-IN
COILS MOUNTED ON FIVE PIN
CERAMIC BASE,
3C804 40 METERS \$2.00
3C805 20 " \$3.00



CLEARANCE SALE

VALUES BUYS

ODDS & ENDS, LEFTOVERS, CLOSE-OUTS sold as reparable. Prices thru Jan. 1, 1981; F.O.B. Lima, Ohio. Please indicate STUFFER #10-80 when ordering.

Fair Radio Sales Co.

P. O. Box 1105 - - 1016 E. Eureka St.
Lima, Ohio 45802 419/227-6573

TRANSISTORIZED SIGNAL TRACER FOR USE IN RF, IF, AND AUDIO CIRCUITS. INPUT IMPEDANCE: 30,000 OHMS (AF) AND 50,000 OHMS (RF). WITH 2" 8 OHM SPEAKER, TEST LEADS, AND 9 V. BATTERY. 2x5x1 1/2. WT: 3 LBS. NEW, \$9.95



NOISE GENERATOR



RG-52 MICROWAVE MEGANODE NOISE GENERATOR WITH POWER SUPPLY. USED FOR THE MEASUREMENT OF NOISE FIGURE OR RECEIVER GAIN AND FOR THE CALIBRATION OF STANDARD SIGNAL SOURCES. FLUORESCENT GAS TUBE GIVES 8200 MHZ TO 12400 MHZ FREQUENCY RANGE. HAS THERMOMETER ATTACHED TO AID IN ADJUSTING THE WAVEGUIDE. THE NOISE POWER OUTPUT IS 15.8 DB. WITH AN MOUNTING FLANGE UG-39/U. POWER SUPPLY INPUT 115V. 50-60 HZ. WAVEGUIDE SIZE: 16x5x1 1/2. WT: 2 1/2 LBS. \$20. POWER SUPPLY SIZE: 11x7x7. WT: 1.5 LBS. \$20. PRICE: WAVEGUIDE W/POWER SUPPLY, UNUSED, \$20.

KSR TELETYPEWRITER



KSR-33 TELETYPEWRITER AND KEYBOARD, CAN BE ADAPTED FOR VARIOUS RTTY AND COMPUTER APPLICATIONS. SPEED: 66 WORDS PER MINUTE; 600 OPERATIONS PER SECOND. HAS THE FOLLOWING FUNCTIONS: CARRIAGE RETURN, LINE FEED, SPACE, AND SHIFT. UTILIZES ASC-11 CODE WITH PARITY BIT. TAKES 8 1/2" SPROCKET-FED PAPER. THIS IS A STANDARD ITEM; PARTS ARE AVAILABLE FROM A NUMBER OF SOURCES. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 8x18x18 1/2; SHPG. WT: 50 LBS. USED, OPERATIONAL, BUT MAY REQUIRE SOME ADJUSTMENT. LESS COVER, \$185.00

TS-117/GP WAVEMETER



TS-117/GP WAVEMETER TEST SET DESIGNED FOR FREQUENCY MEASUREMENTS BETWEEN 2400 AND 3400 MHZ. USED TO MEASURE MICROWAVE ANTENNA RADIATION, LOCAL OSCILLATOR FREQUENCIES, RELATIVE FIELD STRENGTH, AND RELATIVE OUTPUT. UNIT HAS A Q FROM 1800 TO 2000. INCLUDES 0-50 U-AMP CRYSTAL CURRENT METER, SENSITIVITY VERNIER, AND FREQUENCY MICROMETER WITH CONVERSION TABLE. WITH ACCESSORIES AS-23 DIRECTIVE ANTENNA, UG-183 CABLE, UG-57 AND UG-131 ADAPTERS AND TRANSIT CASE. USES TYPE N CONNECTORS. SIZE: 5x6x3. SHPG. WT: 15 LBS. USED, COMPLETE, \$34.95; LESS ACCESS., \$22.

RF MONITOR



ID-642/FSA RADIO FREQUENCY MONITOR, USES DIRECTIONAL COUPLER WITH IN-21B DIODE TO MONITOR RF VOLTAGE LEVEL. DC VOLTAGE IS AMPLIFIED TO TRIGGER A 24 VDC RELAY (6.5 MA 4PST) OVER A POWER SCALE OF 25-200. UNIT WAS PROBABLY CALIBRATED INTO A STANDARD LOAD. REQUIRES HN CONNECTORS. WITH TUBES: 2/0A2, 5751, 5670 6X4, AND TJ791K01 CURRENT REGULATOR. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 11x19x10 1/2. SHPG. WT: 20 LBS. UNUSED, W/SCHEMATIC, \$47.

1.5 - 30 MHZ RECEIVER



CFT-46243 RADIO RECEIVER, ORIGINALLY USED WITH NAVY DAU DIRECTION FINDER SET. COVERS 1.5 MHZ TO 30 MHZ IN FOUR BANDS. SUPERHETERODYNE TYPE RECEIVER HAS CONTROLS FOR BFO, AF GAIN, SENSE GAIN, AND SENSITIVITY. WITH TUBES 4/6SK7, 2/6SH7, 6SJ7, 6SQ7, 6SA7, 6K6, 6H6, 6J5, 003, AND 5U4G. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 14x19x1 1/2. SHPG. WT: 90 LBS. USED REPARABLE \$75



MODEL 300 BALLANTINE VACUUM TUBE VOLTMETER. GENERAL PURPOSE TEST SET USED TO MEASURE AC VOLTAGES ALSO AS CAN BE USED AS A AMPLIFIER AND MICRMMETER WHEN PROPERLY CONNECTED. FREQ. RANGE 10-150M CYC. VOLTAGE RANGES 0.001-.01/.1/1.0/10 & 100 DECIBEL SCALE 0-20. OUTPUT IMP. 0-15000 OHMS, INPUT IMP. 0.5 MEGOHMS SHUNTED BY 30 MMF. STABILITY 1% APPROX. DEPENDING ON LINE VOLTAGE. ACC. APPROX. 2% OVER RANGE. POWER REQ. 115 V. 50/60 CYC. REPARABLE SIZE: 4x5x11; WT: 13 LBS. PRICES: USED CHECKED \$39.95, \$12.00

WESTON METERS



WESTON MODEL 901 PORTABLE PRECISION METER; READS 150-0-150 MICROAMPS DC ON A WIDE, MICRO-ROD SCALE. DESIGN ACCURACY: 0.25% SIZE: 7x7x3 1/2; SHPG. WT: 8 LBS. USED, \$30.00 \$16.

OSCILLOSCOPES



USM-24 OSCILLOSCOPE WITH 3JP1 C.R. TUBE. SINE WAVE RESPONSE, FLAT WITHIN -3DB FROM 2 CYC TO 8 MC. TRANSIENTS RESPONSE .04 MIC ROSEC. RISE, POLARITY POSITIVE UPWARD AND NEGATIVE DOWNWARD DEFLECTION, RECURRENT SWEEP 8 CYC PER. SEC. TO 600 KC., TRIGGERED SWEEP 1.25 TO 125 MICRSEC., VERT. DEF. SENSITIVITY .035, HORIZ. DEFLEC. 4.0V, HORIZ. RESPONSE .5 CYC PER SEC. TO 700 KC. VERT. RESPONSE 4 CYC PS. TO 10MC. BEAM MOD. RESPONSE 50 CYC PS. TO 10 MC. HORIZ. INPUT IMP. 300,000 OHMS, BEAM MOD. INPUT RESISTANCE. 56,000 OHMS. POWER REQUIRED 115 VOLT 50 TO 1600 CYC. SIZE: 15x17x16; WT: 55 LBS. SHPG. WT: 65 LBS. SOLD AS "COMPLETE, NOT CHECKED WITHOUT GUARANTEE TO THE LIFE OF THE POWER TRANSFORMER. PROBES AND OTHER ACCESSORIES EXTRA." PRICE: OS-26/USM-24 "AS-IS" \$39.50 OS-51/USM-24C "AS-IS" \$49.50 PROBES: CG-883, 10:1 ATTENUATOR \$8. EA CG-944 OR CG-1277C CATHODE FOLLOWER \$8. EA



FLUKE 803R DC-AC DIFFERENTIAL VOLTMETER, MEASURE 0-500 VOLTS DC OR AC. DECADE-TYPE NULL RANGE SELECTOR: 10, 1, .1, or .01 DC-AC. CONVERTER FREQ.: 30-50 HZ. 115-VAC 60 HZ. USED, REP., \$50.30.

801 DC DIFFERENTIAL VM, cabinet style. Used \$27.

8"x17" PLEXIGLAS SHEETS, 1/8" th. Clear, \$1.00 ea. Smoked, \$1.25 ea



TELEMEETER PROGRAM SELECTOR USED FOR PAY TELEVISION. CHOICE OF 3 PROGRAMS, PRE-RECORDED TAPE GIVES PROGRAM INFO. & AMOUNT OF MONEY THAT IS TO BE PUT IN REGISTER FOR EA. PROGRAM, AS SHOWN ON THE COIN REGISTER. A 8 MC. SIGNAL IS USED TO TRIGGER THE MECHANISM AND WE ASSUMED A 35 MC SIGNAL CARRIES THE VIDEO AND VOICE (ITEMS LISTED BELOW ARE PART OF THIS UNIT AND CAN BE PURCHASED SEPARATELY.) SIZE: 15x7x7; WT: 25 LBS. COMPLETE UNIT #1001/5 \$9.95

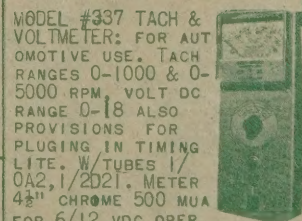
COIN REGISTER MECHANISM CONTAINS TWO ACTUATING PLATE TYPE SEL ENOIDS 300 AND 1200 OHMS. CRAMER 115V60 CYCLE, 5 RPM SYNCHRONOUS MOTOR, OPEN FRAME 115 V. 60 CYC. GEARED MOTOR, WITH GEARED MECHANISM AS USED IN COIN OPERATED TV PROGRAM SELECTOR SYSTEM. ALSO GEARS, LITES COIN NUMBERING RECORDING DIALS ETC. SIZE: 7x5x6; WT: 8 LBS. TELE-REG #1004 RE-MOVE \$5



TELEMEETER CHASSIS; WITH 4" SPEAKER, 2 PLATE RELAYS, R.F. COILS FOR 8 MC. 115 V. 60 CYC POWER SUPPLY, OUTPUT 150VDC 100MA & 6.3V3A. 8135 CRYST W/TUBES 3/6U8, 6BE6, 6BA8 & 12BH7 1EA. SIZE: 10x6x6; 10LE TELE-CHASSIS #1002 RE-MOVE \$7



COIL & CONDENSER TESTER W/OHMMEETER FOR AUTOMOTIVE USE VIBRATOR SUPPLIES THE NORMAL CURRENT TO THE COIL AT PROPER DWELL. CAPACITORS ARE CHECKED FOR CAPACITY, LEAKAGE, RESISTANCE ET ASIDE FROM THESE METER ALSO HAS A 100,000 OHMMETER SCALE. METER IS 4 1/2" SATIN CHROME 500 MUA 2% ACCURACY. VOLTAGE REQ. 6/12 VDC #332 W/TUBES 1/2AU7, 1/0A2, 1/6X4 SIZE: 14x5x6; 10LBS \$14.95 U



MODEL #337 TACH & VOLTMETER; FOR AUTOMOTIVE USE. TACH RANGES 0-1000 & 0-5000 RPM. VOLT DC RANGE 0-18 ALSO PROVISIONS FOR PLUGGING IN TIMING LITE. W/TUBES 1/0A2, 1/2D21. METER 4 1/2" CHROME 500 MUA FOR 6/12 VDC OPER. SIZE: 13x5x5; 8 LBS. \$14.95 U



DUAL TESTER; R.P.M. 0-1000 & 0-5000 SC. VOLTS SCALE 0-18 VOL LOWER METER IS FOR TESTING SPARK ADVANCE. ALSO PUG FOR TRANSDUCER ADAPTER. USES TUBES 1 EA. 2D21 6AL5, 6AU6, 5696 AND NO. 336 2/0A2. TWO 4 1/2" METER 500 MUA CHROME. COND. USED SIZE: 13x5x5; WT: 13 LBS. LESS TUBES \$9.95

TELEREGISTER READ-OUT 12 VOLT D.C. IMPULSE COUNTER RACHET TYPE NUMBERS 0-1-2-3-4-5-6-8-9, NUMERAL 1" HIGH ON ROTARY DRUM, UNITS MAY BE CHANGED. SIZE: 3 1/2x1 1/2x1 1/2. LE TELEREGISTER K-1 PRICE: \$1 EA.



TAKE 50% OFF MARKED PRICE



R520 CHASSIS

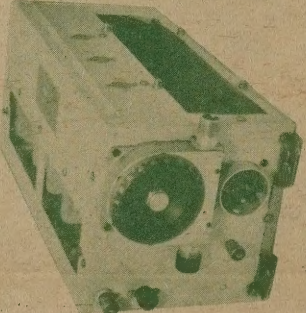
R-520 (Zenith Transoceanic) RECEIVER CHASSIS for parts only. Includes good tuning capacitor and other parts. Sold as-is less tubes, speaker, C45 capacitor, and some coils; 12 lbs sh wt. \$8.95 ea.

R-520A/URR CHASSIS, as-is as above, \$10.95

R-853/URR AM-FM BROADCAST RECEIVER CHASSIS (see p. 36, WS-79), as-is with tuning capacitor and other parts. Less tubes, speaker \$7.

RT-196/PRC-6 WAIKIE-TALKIE CHASSIS, 47-55.4 Mhz FM. Less tubes, xtal, antenna. AS-IS \$6.

BC-AS-229 RECEIVER, 201 to 398 Khz and 2500 to 7850 Khz using plug-in coil sets. Uses tubes 37, 38, & 4/39's. Requires 230 VDC 80 ma and 12 V. 8x7x16, 15 lbs sh wt. Used, less tubes & coils \$7. With tubes \$14.95; Plug, \$2. TUNING KNOB, \$2.00

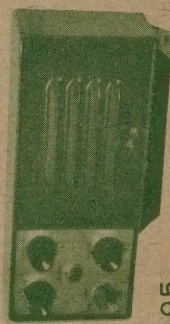


MANUAL, partial repro, \$8.50



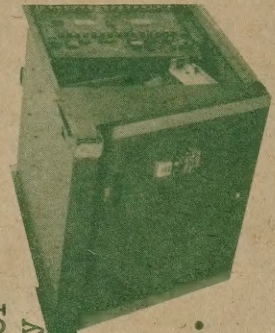
TRANSCEIVER CONTROL BOX with 4 1/2" speaker, 5-button Freq Sel, squelch, volume controls; Power on and transmit indicator lights. 6 1/2x14 1/2x7, 8 lbs sh. #ANK-CC-15A, used \$9.95

MOBILE RADIO CONTROL HEAD, controls Fl-2-3-4, squelch, volume, power. Built-in speaker, 5-pin mike jack, and mount bracket. 3 1/2x8x5 1/2, 8 lbs. #MI-559360, used \$10.95



SODECO 5-DIGIT COUNT-ER, 28 V 56 ma; w/ reset. 1 1/2x 1-5/8x4 1/2; \$6.95

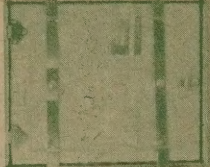
SECURITY I.D. CENTER, consisting of card reader assy (pic) with Hr/Day clock and cassette recorder and separate printer (Victor IPM-130) assy which logged check-ins. Each assy requires 115 VAC. Size each: 16 1/2x13x12 1/2, 55 lbs sh. Used, \$150. CARD READER ASSY only, \$60.00 PRINTER ASSY only, \$125.00



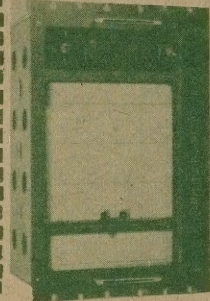
CASSETTE RECORDER DECK from above I.D. center. Requires 115 VAC for motor; 12 VDC for electronics. Usual features. 10 lbs.



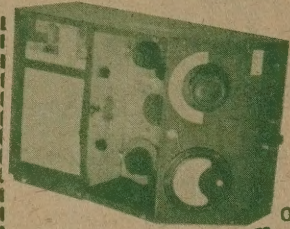
X-RAY FILM HOLDERS, various styles; used, as-is. 9 1/2x9 1/2 \$4.00 8x10 \$6.00 10x12 \$8.00 11x14 \$10.00 All have stainless steel backs. 6 lbs sh wt.



AMPLI-TUDE PLOTTER mechanics only. Has two 115 VAC motors. X-sens and Y-zero adjust. 12 1/2x 19 1/2x7 1/2, 25 lbs. \$35.00



BOONTON 110A QX CHECKER, plug-in coil type; 0.1-25 Mhz range. % Q meter; 4 tubes. 115 V 60 Hz; 34 lbs Less coils \$18.



TEST EQUIPMENT, used-reparable unless noted. BOONTON 160A Q-METER \$125. FLUKE 8300A DVM, \$275. GR-1001A SIGNAL GENERATOR, 5 Khz-50 Mhz, \$225.00 GR-1390B NOISE GEN., \$85. HP-400HR VTVM, \$75.00 HP-425AR AC-DC MILLIVOLT METER, checked, \$125.00 TELONIC SM-2000 SWEEP GEN. w/L-4M plug-in, \$145. AN/URM-25F SIGNAL GENERATOR, 10 Khz-50 Mhz; eight bands. 11 1/2x14x10, 44 lbs. Checked w/access., \$325.

1980 ARRL HANDBOOK-\$7. VINTAGE RADIO hardcover-\$11 ELECTRONIC CIRCUITS HANDBOOK, Vol II by T. Kneitel 158 projects for tube-type equip. (1966) \$3.00 *** STOP THIEF Auto Alarm, 12 VDC system connected in circuit with car horn. Movement actuates and sets off car horn. Has sensitivity adjust. NEW \$7.95

SWITCH & LAMP PANEL

DATA CONTROL & INDICATOR PANEL, an excellent source of components such as switches and indicator lights.

Has seven hexadecimal rotary switches with skirted knobs marked 0,1,2,...,D,E,F; one hex switch 0-7; five rotary switches less knobs (one each 4-5, 5-6, 6-position, two 8-pos) with one selected position open--all others making; 2/SPDT push sw; 12/SPDT toggle sw; and 70/4 V 47 ma indicator lights--mostly with white plastic lenses. Panel size: 11x27x2, 15 lbs sh wt. #DC-IP/NCR, \$17.95

CARTRIVISION COMPONENTS

FISH TANK



FISHTANK OF ELECTRONIC COMPONENTS, P/O VIDEO TAPE SYSTEM. CONSISTS OF DEMODULATOR, SERVO-AMP, DROPOUT COMPENSATOR, PER/POST PROCESSOR, DC POWER SUPPLY (115 V 60 HZ; OUTPUT -12/-12 LAMP REG. 5 VDC 1 AMP UNREG. MANY PARTS, IC's, FET, TRANSISTORS, TRANSFORMER, VARIABLE RESISTORS, CAPACITOR MORE! SIZE 14x12x6 1/2 WT 15 \$14.95

TIMER BONANZA

CARTRIVISION TIMER CONTROL, 115 VAC 60 HZ MOTOR W/SPDT CONTACTS; UP TO 8 HR. DELAY. 18 V. 200 MA TRANSFORMER; 12 VDC SPDT RELAY; SPDT & 4PDT (CENTER-OFF) SLIDE SWITCHES; SPST MICRO-SWITCH; TRANSISTORS, RECTIFIERS, ETC. \$1.95



DOLLAR DAZE

PLEASE ORDER BY NUMBER. Unit prices only as indicated. Look for more DOLLAR DAZE throughout this catalog.

40-81 8" x 17" FLEXIGLASS SHEETS, 1/8"th Specify CLEAR, \$1. SMOKED, \$1.25

LOUD BUZZER-HORN as used in smoke alarms; 2" dia x 1 1/2". 6 VDC, \$1.25 ea. 12 VDC, \$1.35 ea.

RECEIVER-TRANSMITTER CHASSIS, solid-state, broadcast band. \$2.00

SENTRY ALARM; buzzes when pin pulled. 2 1/2x3 1/2, 9v. \$1 3/\$2. 10

BRASS COUPLINGS for 3/8" dia. x 3/4" long shafts. 3 for \$1.00

MOBILE RADIO PLATE w/switch light, jack, 6' 10-cond. cable. Plate 3 1/2x3 1/2. \$1.00

LEATHERETTE INSTRUMENT CASE, 8 1/2x2 1/4, two sections. \$1.50 2/\$2.50

MIXED HARDWARE: screws, nuts, washers removed f/equip. Usable; 3 lbs. \$1.00

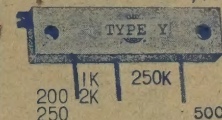
MAGNETIC ID HOLDER, 3 1/2x1 1/2; metal, clear slide cover, \$1. 2 for \$1.50

LEVEL METER, FS-150 UA, 3/8x7/8 face; o/a 1x1 1/2. \$1.00 3/\$2.00

SPEAKER, 3" dia. 8, 1 watt. Sanpo SPO24, new, \$1.00

Cermet Trimmer

195/RJ12 CERMET TRIMMERS 1 1/2" RECTILINEAR 23 TURN. 79¢ EACH. 2 FOR \$1.50



WESTON 840P plastic 3/8" sq. 3-pin on broadside; trimmer opposite. 50K 4/\$1

TYPE 190 20-turn 1/2" lg. 200, 100K, or 200K. 2 for \$1.

CERMET and other manufacturers as available. TYPES 170 thru M176, 1/2" sq. 170-171 2/\$1. 172-M176 3/\$1. Type 170; metal, 3-pins on broadside: 100, 1K, 5K, 25K, 100K, 250K, 500K

171-T; metal top adj., 3-pin on thin side: 200, 250, 2000 500K, 1 MEG.

171-S; metal side adj.: 200, 5K, 10K, 100K, 250K, 500K, 1 MEG.

172; metal, wire leads: 100, 200, 2K, 5K, 25K, 50K, 100K, 250K, 500K, 1M.

M174; plastic, 3 pins on broadside: 100, 1K, 2K, 10K, 50K, 200K, 1 MEG.

M175; top adj., 3 pins thin side: 500K.

M176; wire leads: 1K, 500 K.

TYPE 165-T, 3/8" sq. plastic, top adj.: 100, 500, 2K, 250K, 500K, 1 MEG. 3 for \$1.00

165-S, 3/8" sq., side adj.: 50, 100, 200, 500, 2K, 5K, 250K, 500K, 3 for \$1.00

TYPE 385; metal, 1 1/2" dia., 3 pin short lead; 39¢, 3/\$1.00: 50, 100, 500K.

1978 RADIO AMATEUR'S HANDBOOK, nearly 700 pages of handy reference material; softbound. Last time around-Originally, \$8.50--then \$3.50; NOW, \$3.00

ARRL HANDBOOK

SWR INDICATOR CIRCUIT

STANDING-WAVE RATIO INDICATOR CIRCUIT, assemble a SWR meter using this 1 1/2" square 0-10 scale (FS=2 MA) meter with filters and rectifiers and a modified Schering bridge. One pair of bridge arms is resistive, the other capacitive. In theory the bridge circuit is balanced when the antenna is tuned to 52 ohms resistive resulting in a zero reading on the meter. 30-239 connector. Bridge: 2x2x1; 2 lbs. #M701/CU-991, \$8.95

PHASE AND LOAD DISCRIMINATOR, could be useful in tuning an antennas system, if used in circuit with a sensitive zero-center microammeter. Phasing and loading discriminator produces +DC voltages proportional to the reactance of a system. Phasing output shows the type of reactance (capacitive or inductive) and the loading's indicates the amplitude of impedance referenced to 52 ohms resistive. In both cases zero DC output is ideal (may not be obtained in practical circuit). A third output is proportional to relative antenna current. 2x3x3; 2 lbs. sh #T201/CU-991 w/diag., \$4.95

INTRUSION MALLORY INTRUSION ALARMS, hang on inside door knob and set sensitivity. Alarm sounds when outside door knob is touched. Works on capacitance discharge. Will not work with steel doors. 2 lbs sh. NEW. #DRS-AC, loud clacker, 115 VAC 60 Hz, \$8.95 #DRS-DC, w/Sonalert, 9 V battery req., \$9.95

MALLORY SONALERT MALLORY #SNP428 SONALERT, 4 to 28 VDC, 2900 Hz cont., 64-78 db. Snap-lock fit into 1.063 dia hole. 1/2x1-5/8" dia. Similar to picture-\$4.95

WEBCOR RECORDER WEBCOR TAPE RECORDER, plays and records @ 3 1/2 or 7 1/2 ips; accepts upto 7" dia reels. Has standard features fast forward/rewind plus edit lever, footage counter, and 20-0-20 record level indicator. Also mic, bridge, and external speaker jacks, and built-in speaker. Monaural use only; 100-10000 Hz response @ 7 1/2 ips. Mic input impedance: 500K ohms. With tubes 12AU7, 12AX7, 6X4, 6BQ5, 6HU6, & 7025. Requires 115 VAC 60 Hz. 13 1/2x12 1/2x7; 32 lbs sh. Units checked for basic playback/record; may need further adjustments. Mic and reels not included. #WEBCOR-173B, used, \$39.95; MIC \$6 w/set purchase. MANUAL, partial repro, \$8.50

12 VDC 4 AMP SUPPLIES STACO SOLID-STATE 4 AMP DC POWER SUPPLIES--NEW--***** #FSS-4, filtered 12 V; 5x3x5 1/2, 5 lbs sh. \$12.95 2/\$22. #RPS-4, filtered and regulated 13.8 VDC; 5x3x6 1/2, 7 lbs sh wt. \$18.95 ea. 2/\$35.00

LANGUAGE LAB TAPE RECORDER, solid-state design; made by General Electronics Lab. Has three heads: one playback only master head on one track and the other two, playback and record, on a second student track. Uses standard 1/2" audio tape on upto 7" reels at speeds 3 1/2 and 7 1/2 ips. In practice, one can monitor the master "instructor's" track while recording responses on the student track. The student track can be played back simultaneously or separately from the master track depending upon control selection. The master track, which plays in one direction only, can be recorded upon or erased by switching plug-in wires from the student track heads. Besides its original usage, the recorder could be useful for code practice of for sound-on-sound sound audio experimentation. Audio response approx. 300-8000 Hz. Controls for student and master volume, playback-practice select, pause, and the other standard recording functions. Also three motors for very rapid fast forward/rewind, audio level meter, footage counter, 4" built-in speaker, and four plug-in circuit cards for audio, master audio, student audio, and bias oscillator. Uses common 2N2836 and 2N3702 transistors. Tape and reels not included; microphone and schematic not available. Requires 115 VAC 60 Hz. 18x16 1/2x8; 32 lbs net, 40 lbs sh wt. Used, reparable, \$39.50; Checked, \$59.50

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0.2 TO 30 MHZ SSB

GL33 HF RECEIVER, 0.2 to 30 Mhz SSB, AM, & CW in thirty continuously tunable bands. Set is a Collins 51S1 receiver repackaged by LTV-Temco for military airborne use. It has extended lower frequency range plus a jack for a 14-600 KHz tuner, AM BFO, and extra electronic filtering. Crystal check points every 100 KHz. Final IF 500 KHz. AM BFO variable from 485 to 515 KHz. Controls for CW-USB-AM, Rejection Tuning, and meter switch RF--10DBM-ODEM. Input impedance: 50 ohms. Audio output imped: 4 or 600 ohms. Matching phone patch imped: 500-600 ohms. With tubes 5/6EA8, 3/6BA6, 2/12AX7, 2/6136, 6CD6, 5670, 6BF5, and 6AK6. Requires 115/230 VAC 50-60 or 400 Hz; also 24 VDC 168 ma for the AM BFO only. 6 1/2x18 1/2x13; 40 lbs sh wt. Used, reparable, \$695.00; Checked, \$850.00 COLLINS 51S1 MANUAL, \$15 w/purchase of GL33.



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WEBCOR RECORDER WEBCOR TAPE RECORDER, plays and records @ 3 1/2 or 7 1/2 ips; accepts upto 7" dia reels. Has standard features fast forward/rewind plus edit lever, footage counter, and 20-0-20 record level indicator. Also mic, bridge, and external speaker jacks, and built-in speaker. Monaural use only; 100-10000 Hz response @ 7 1/2 ips. Mic input impedance: 500K ohms. With tubes 12AU7, 12AX7, 6X4, 6BQ5, 6HU6, & 7025. Requires 115 VAC 60 Hz. 13 1/2x12 1/2x7; 32 lbs sh. Units checked for basic playback/record; may need further adjustments. Mic and reels not included. #WEBCOR-173B, used, \$39.95; MIC \$6 w/set purchase. MANUAL, partial repro, \$8.50

12 VDC 4 AMP SUPPLIES STACO SOLID-STATE 4 AMP DC POWER SUPPLIES--NEW--***** #FSS-4, filtered 12 V; 5x3x5 1/2, 5 lbs sh. \$12.95 2/\$22. #RPS-4, filtered and regulated 13.8 VDC; 5x3x6 1/2, 7 lbs sh wt. \$18.95 ea. 2/\$35.00

LANGUAGE LAB TAPE RECORDER, solid-state design; made by General Electronics Lab. Has three heads: one playback only master head on one track and the other two, playback and record, on a second student track. Uses standard 1/2" audio tape on upto 7" reels at speeds 3 1/2 and 7 1/2 ips. In practice, one can monitor the master "instructor's" track while recording responses on the student track. The student track can be played back simultaneously or separately from the master track depending upon control selection. The master track, which plays in one direction only, can be recorded upon or erased by switching plug-in wires from the student track heads. Besides its original usage, the recorder could be useful for code practice of for sound-on-sound sound audio experimentation. Audio response approx. 300-8000 Hz. Controls for student and master volume, playback-practice select, pause, and the other standard recording functions. Also three motors for very rapid fast forward/rewind, audio level meter, footage counter, 4" built-in speaker, and four plug-in circuit cards for audio, master audio, student audio, and bias oscillator. Uses common 2N2836 and 2N3702 transistors. Tape and reels not included; microphone and schematic not available. Requires 115 VAC 60 Hz. 18x16 1/2x8; 32 lbs net, 40 lbs sh wt. Used, reparable, \$39.50; Checked, \$59.50

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BC & ARC COMMAND SETS

Even though they have been on the surplus market since the end of World War II, the Command Set Receivers and Transmitters are still popular with hams and experimenters.

The series consists of either SCR-274N (BC-prefix) or AN/ARC-5 receivers (R-prefix) and transmitters (T-prefix).

As a group, the receivers cover 190 KHz to 9.1 Mhz and the transmitters 2.1 to 9.1 Mhz. Over the years many conversions have been written for the sets. However, the last comprehensive collection of such information, CQ Surplus Conversion Handbook, went out-of-print in 1979.

If you are interested but not familiar with the Command Sets, your best source for info about them may be another ham. Schematics for any of the receivers and transmitters are available from us @ \$1.50 each plus a SASE.

Command receivers are superheterodyne types which may be tuned by the use of a special spin knob or from a remote position with a control box and spline shaft. Each have six tubes: 3/12SK7, 12SR7, 12A6, and 12K8. They are designed to operate from a DM-32, a 24 VDC dynamotor with an output of 250 VDC 60 MA and 24 volts. Shipped less dynamotor. Size: 5x5x11, 15 lbs sh.

R-25/ARC-5, 1.5-3.0 Mhz, reconditioned, \$27.

Command transmitters with proper use can put out 50 watts CW and 30 watts phone. Modulation is obtained from either of two separate units, BC-456 for single tube modulation or MD-7 for push-pull. The 575-600 VDC 175-200 MA and 24 volt power requirements were originally satisfied by the 24 VDC DM-33 dynamotor which mounted on either modulator. The transmitters use a 1629 "eye" tube for tuning and crystal calibration plus tubes 2/1625 and 1626. Size: 5x7x12, 17 lbs. sh.

BC-457/T-20, 4 - 5.3 Mhz, reconditioned \$19.95
BC-458/T-21, 5.3 - 7 Mhz, " \$19.95

BC-456 MODULATOR for use with Command Transmitters; single tube modulation with tubes 1625, 12J5, 0D5. Has provision for mounting DM-33 dynamotor. 7x8x10, 11 lbs. sh. Used \$12.95

PUSH-ON TUNING KNOB f/Command Receivers, \$2.
DM-32 DYNAMOTOR, 24 VDC f/receivers, \$4.95
DM-32/12 DYNAMOTOR, 12 VDC f/receivers, \$8.
AC POWER SUPPLY f/Command Receivers w/speaker; our construction. Kit, \$22. Wired, \$27.
MC-215 FLEXIBLE SPLINE, 6', \$1.50

COMMAND SET RECEIVER & XMITTER RACKS:
FT-233/MT-7A, for one receiver, \$2.50
FT-234/MT-69, for one transmitter, \$2.75
FT-226/MT-71, for two transmitters, \$3.25
FT-227/MT-70 SHOCKMOUNT for FT-226, \$2.50
MD-7/ARC-5 MODULATOR, similar to BC-456 described above except uses two 1625 tubes in push-pull for 40 to 60 watts. Used, \$20.00

R-10/ARC BROADCAST BAND RECEIVER, like R-19 listed below but 580-1500 KHz AM, \$22.95

R-19/ARC AIRCRAFT RECEIVER, 116 to 148 Mhz continuously tuneable. No dial; designed for remote tuning with spline shaft. IF-15 Mhz. With tubes 9002, 3/9003, 14A7, 2/14R7, 14F7, and 12A6. Uses accessories similar to ARC-5 Series. Requires 250 VDC 60 ma and 24 VDC. 6x5x11 1/2, 13 lbs. sh. Used, \$18.95

R-11A RECEIVER, 190-550 KHz. Similar to R-19 but has 85 KHz IF and tubes 2/14A7, 14S7, 14R7, 14F7, and 12A6. Used, \$12.95

R-22 BROADCAST BAND RECEIVER, 550-1500 KHz. Similar to R-11. Used, \$24.95

ARC-39 RECEIVER-XMITTER



RT-427/ARC-39 RECEIVER-TRANSMITTER, REPLACES COMMAND SETS; COVERS 2.0 TO 9.1 Mhz IN TWO BANDS; SIX CRYSTAL-CONTROLLED FREQUENCIES PER BAND. RF OUTPUT: 10 WATTS MIN. INTO 10 OHM LOAD (100 PF). 100% AMPLITUDE MODULATION; AUDIO OUTPUT: 200 MW WITH 1000 UV 30% MODULATED INPUT; 800 MW MAX. BANDWIDTH: 8 KHz @ 6 DB DOWN. METER INDICATES RELATIVE RF OUTPUT TO THE ANTENNA. WITH TUBES 0B2, 2/12AT7, 4/5749, 5750, 3/5686, 4/5814, & 3/6159. POWER REQUIRED: 28 VDC 4.4 AMPS WHEN RECEIVING; 8.5 AMPS TRANSMITTING. SIZE: 7x10x2 1/2, SHPG. WT: 42 LBS. PRICE: USED, COMPLETE, \$49.50
MANUAL FOR RT-427/ARC-39, REPRODUCTION, \$10.

225-400 MHZ CONVERTER



AM-914/TRC AMPLIFIER-CONVERTER, originally used with military R-417 receiver as plug-in for the 225-400 Mhz range. Continuous tuning of RF and oscillator; 30 Mhz I.F. Unit has conversion possibilities as discussed in R. Grove's article in 10/80 issue of CQ magazine. With tubes 5670 and 4/6J4. 7x6x2 1/2, 17 lbs sh. Used, \$34.95
Other AMPLIFIER-CONVERTERS, similar to above:
AM-1179/GRC, 50 to 100 Mhz, \$39.50
AM-1177/GRC, 400 to 600 Mhz, \$44.50
AM-3202A/TRC, 1.35 to 1.875 Ghz, \$54.50



AM-915/GRC AMPLIFIER-MULTIPLIER, used in T-302 transmitter for 225-400 Mhz FM range. 120 watts output from two 4X150A's. 12x6x14, 45 lbs. Used \$55.
AM-1180/GRC, 50-100 Mhz, one 4X150A, \$49.50
AM-2537/TRC, 790-915 & 840-925 Mhz, \$59.50
AM-3204A/TRC, covers 1.3 to 1.875 Ghz using oscillators listed below; 3/5CX100A5, \$75.
Oscillators for AM-3204A, \$20.00 each:
0-902A (1.3-1.525 Ghz); 0-903A (1.525-1.7 Ghz); 0-904A (1.7-1.875 Ghz).

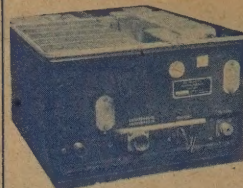
SCR-522 RECEIVER-TRANSMITTER
AM CRYSTAL CONTROL, 30 WATT, 4 CHANNEL ON ANY FREQ. IN THE 100-156 MC RANGE. TUBES TRANS. 2/832, 6SS7, 3/12A6, 6G6 REC. 1/9002, 9003, 12C6, 12H6, 3/12SG7, 12A6 & 2/12AH7.
UNITS CAN BE REMOVED FROM CABINET CASE SEPARATELY. REQUIRES POWER SUPPLY. SIZE: 16x12x10 1/2; WT: 50 LBS. RE-COND \$34.95
CONNECTOR PLUGS, \$1.50 EA. OTHER ITEMS AVAILAB.



R-77/ARC-3 VHF RECEIVER A.M. 100-156 MC, CRYSTAL CONTROL ON 8 PRE-SET CHAN. WITH TUBES 6/6AK5, 3/12SG7, 2/12SN7, 1 EA. 9001, 9002, 12A6, 12H6, 12SL7 & 12SH7. VOLTAGE REQ. 24 VDC & 210 VDC @ 210 MA.
SIZE: 11x7x15; WT: 21 LBS. USED \$24.50
R-5009/ARC-502 SIMILAR TO ARC-3 EXCEPT MADE FOR CANADA. (WE WILL SHIP WHAT IS AVAILABLE)
T-67/ARC-3 TRANSMITTER A.M. 100-156 MC, 8 CHAN. PRESET, CRYSTAL CONTROL. WITH TUBES 2/832, 2/6L6 3/6V6, 1/6J5 & 1/12SH7. VOLTAGE REQ. 24 VDC & 410 VDC @ 325 MA.
SIZE: 15x10x12 1/2; WT: 22 LBS. USED \$24.95
CONNECTOR PLUGS \$1.50 OTHER ITEMS AVAILABLE.

R-445/ARN-30 RECEIVER, 108-135 Mhz, similar to R-19/ARC in other respects, used \$19.95
CV-431/ARC TRANSVERTER, converts 228-258 Mhz to 118-148 Mhz; transmits 228-258 Mhz on 8 xtal channels. Used w/R-19. Re-newed, \$16.
R-89/ARN-5A GLIDE-PATH RECEIVER, channels 332.6, 333.8, & 335.0 Mhz; 10 tubes, \$10.95
R-122/ARN-12 MARKER BEACON, 75 Mhz fixed, \$12

BC-473 REMOTE TUNING CONTROL for tuning Command Sets from remote position or for direct tuning of receivers R-11, R-19, or R-22 by using right angle spline adapter. Dial shows 190-550 KC, but you can change to your needs. Use for tuning only or wire to receiver for volume control and function select. 4x3x2 1/2, 2 lbs. With right angle adapter, unused, \$7.95



R-101/ARN-6 RADIO COMPASS RECEIVER, 100-1750 KC IN FOUR BANDS WITH TUBES 6/12SK7, 4/12SX7, 2/26A7, 2/2050, 1/12SY7 & 1/12SX7. POWER REQUIRED 24-28 VDC.
SIZE: 11x7x15 1/2; 40 LBS
PRICE: USED \$39.50

AS-313/ARN-6 LOOP ANTENNA USED \$7.95
ID-91/ARN-6 INDICATOR 3" NEW 8.95
PD-5/ARA-19 TUNING DRIVE USED 9.95
AM-203B/ARA-19 AMPLIFIER NEW 8.95
C-149/ARN-6 CONTROL PANEL, USED, \$9.95
MC-124 FLEX. TUNING SHAFT 20 IN. USED 1.50
MC-203 "T" ADAPTER USED 1.50
MC-136 RIGHT ANGLE ADAPTER USED 2.00



CU-308B/U ANTENNA COUPLER; USES CATHODE FOLLOWER TO COUPLE SINGLE ANTENNA WITH THREE RECEIVERS IN THE 2 TO 24 Mhz RANGE. INCLUDES THREE 24 VDC 500 OHM SPST RELAYS, 4/5906 TUBES, AND FOUR BNC CHASSIS CONNECTORS. POWER REQUIRED: 24 VDC 180 MA. 5x5x3 1/2; WT: 4 LBS. UNUSED, \$9.95

R-518 RECEIVER



R-518/FRR-27 RECEIVER, SINGLE-CHANNEL CRYSTAL-CONTROLLED RECEPTION OF AM OR TONE SIGNALS IN THE 100 TO 156 Mhz. RANGE. DOUBLE CONVERSION DESIGN WITH IF's OF 23 Mhz AND 3 Mhz. AUDIO OUTPUT: 1.5 WATTS INTO 200-600 OHMS, 15 MW PHONE. ANTENNA INPUT: 50 OHMS UNBALANCED. WITH SQUELCH AND TUBES 3/12AT7, 2/6AU6, 5654 2/6AV6, & 6005. POWER REQUIRED: 115 VAC 50-60 HZ. SIZE: 19x6x18 1/2; 45 LBS. USED, \$45.00

COLLINS 250 KHZ I.F.

250 KHz IF ASSEMBLY from Collins 618S-1 transceiver. Has 250 KHz mechanical filter with 6.7 KHz width and tubes 3/5749 and 2/5726. 4 1/2x6x3 1/2, 3 lbs sh wt. #IF250-67/618S1, used, \$12.95

250 KHz IF ASSEMBLY from RT-311/ARC-38 transceiver. Similar to above but with two mechanical filters—one 2 KHz width, the other 8.5 KHz. #IF250/ARC38 \$24.95

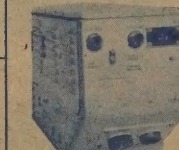


250 KHz CRYSTAL OSCILLATOR from Collins 618S1. Has 250 KHz BFO oscillator coil, crystal oven with CR-46 250 KHz crystal, and 2/5749 tubes. 4 1/2x6x1 1/2, 2 lbs sh. #OSC-250/618S1, \$6.95

VHF ARC-5 EQUIPMENT

R-28/ARC-5 100 to 156 Mhz RECEIVER, crystal-controlled on four preset channels. Crystals inserted behind front access door which also conceals frequency dial and squelch adjust. Channel selection done by separate control box C-30/ARC-5. With tubes 4/717, 3/12SH7

2/12SL7, and 12A6. Requires 24 VDC for relay and selector motor, 250 VDC 60 MA HV. DM-32 may be used for HV. 14x7x2 1/2, 16 lbs. \$18.95
SCHEMATIC for R-28 or T-23/ARC-5, \$1.50 ea.



T-23/ARC-5 TRANSMITTER, companion to the R-28, has 10 watt output, though can be modified for higher rating. Uses two 832 and two 1625 tubes. Audio power for modulating originally supplied by MD-7 modulator (not available). Frequency channel selection made by separate C-30 control unit. Requires 24 VDC for relays and selector; 600 VDC 175 MA for HV. Size: 15x8x5 1/2; 18 lbs. sh. Gov't. reconditioned \$25.
C-30/ARC-5 CONTROL BOX for above, \$3.00

ALTIMETER TRANSCEIVER



RT-7/APN-1 ALTIMETER TRANSCEIVER, 418 to 462 MHz FM; ABSOLUTE READINGS TO 4000 FEET. CAN BE CONVERTED FOR OTHER USES. UNIT CONTAINS WOBBLATOR, DY-AMOTOR, AND TUBES 2/955, 2/9004, 3/12SJ7, 4/12SH7, 2/12H6, AND OD3. POWER REQUIRED: 27 VDC 3 AMPS. SIZE: 8 1/2 x 18 x 8; SH WT: 25 LBS. UNUSED, \$18.95; MANUAL, NO SCHEMATIC, \$3.00 SHOCKMOUNT ASSEMBLY FOR APN-1, \$2.00

ID-14A/APN-1 RADIO ALTITUDE INDICATOR USED WITH RT-7. 2 1/2" DIA. METER HAS SWITCHABLE SCALES 0-400 FT. AND 400-4000 FT. ON-OFF SWITCH. FS-6 MADC. UNUSED, \$3.95



SA-1/ARN-1 ALTITUDE LIMITER SWITCH USED WITH RT-7 AND ID-14A IN CONJUNCTION WITH AN AUTOPILOT SYSTEM. ALTITUDE LIMIT SET FROM 50 FT. TO 300 FT. IN 25' STEPS; X 10 MULTIPLIER FOR HIGHER ALTITUDES. DESIGNED TO SIGNAL WHEN MIN. AND MAX. LIMITS ARE EXCEEDED. 3" DIA. UNUSED, \$2.95

1.5-32 MHz MINI AMP

BROADBAND 1.5 to 32 MHz MINIATURE AMPLIFIER, Aiken Industries model #AMP-1200-6. Operates from 24 VDC and has internal voltage regulator. Utilizes four transistors, complementary pairs 2/PT4599 (2N-

4428) and 2/2N5160 in push-pull. Specific data not known but similar amplifiers are known for flat gain, low noise, etc. Gain approx 10 db. Requires two sub-mini coax connectors for input and output. 5x3 1/2 x 3/8; 2 lbs sh wt. #AMP-1200-6, unused, \$16.95

OSCILLATOR

TRANSISTORIZED CRYSTAL OSCILLATOR AND BUFFER, 56 to 99 Mhz with 75 C temperature controlled oven. Requires 5th overtone HC-6 (20 pf) x-tal (not incld). Has external oscillator input and tuning meter and oven output. Requires 12-18 VDC reg. for osc., 22-39 VDC 1 amp for heater. W/BNC and two submini 27 (UG-1465) connectors, power input DEC 9P connector, and schematic. 6 1/2 x 2 1/2 x 3 1/2, #OSC9928, \$10.

DAV WALKIE-TALKIE

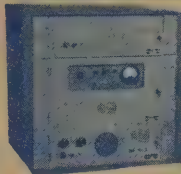
DAV-2 PORTABLE TRANSCEIVER with direction-finder circuit; operates on single channel between 2.3 and 4.5 Mhz @ 200 MW. Has controls for receive, transmit, and sense. Also water-tight O.D. plywood case, JK-26 phone jack, connection for T-45 mic, FT-243 crystal (no frequency choice), book, and tubes 3/3S4, 2/1T4, 1R5, and 1S5. Requires 67.5 VDC 3 ma, 135 VDC 19 ma, 6 VDC 30 ma, and 1.5 VDC 225 ma. Size: 10 1/2 x 3 1/2 x 10, 8 lbs sh wt. Used, \$10.95

We will try to ship matched frequency pairs when two or more DAV's are ordered.

ACCESSORIES which can be used with DAV-2: T-45 LIP MIC or T-50 THROAT MIC, unused, \$3. CCI-49559 HEADSET ASSEMBLY consisting of cloth helmet with headphones, unused, \$4.95 H-62 HEADSET, used, \$4.95 CW-51071 LIP MIC, used w/H-62; unused, \$3.00 CCI-66081 ANTENNA, seven section 15"-35" collapsible-telescoping, \$1.50 w/DAV purch.

MAB PORTABLE TRANSCEIVER CHASSIS, originally designed to operate between 2.3 and 4.5 Mhz on a single channel; 200 MW output. In waterproof black plastic case; mic and headset out-off and not available. W/tubes 3/3S4, 2/1T4, 1R5 and 1S5. Requires 67.5 VDC 3 ma, 135 VDC 19 ma, 1.5 VDC 225 ma, 6 VDC 30 ma. Size: 8 1/2 x 2 1/2 x 7 1/2; 8 lbs. sh. Unused, w/book, \$6.95

RADIO TELEPHONE LINK



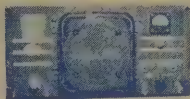
AN/TRC-47 RADIO TELEPHONE LINK, connects radio voice communications to two-line telephone systems. Consists of transmitter, receiver, and signal converter sections. Operates on a single crystal-controlled channel in the 132-150 Mhz band. Carrier output: 7 watts.

Converter changes 20 Hz ringing signal into a radio transmittable 800 Hz signal and vice versa. Used in pairs, the sets can establish links up to three miles apart. With built-in speaker, tuning meter, and tubes 3/OA2, 3/OB2, 2E26, 5R4, 4/6AK5, 2/6AK6, 6AQ5, 6AS6, 6AX5, 2/6BA6, 2/6J6, 2/6L6, 3/6X4, 4/12AT7, 2/12AU7, 2/12AX7, and 5763. Power required: 115/230 VAC 50-400 Hz. 21 1/2 x 14 1/2 x 22 1/2; 100 lbs. sh. Used, repairable, \$40.

RADIOSONDE

AN/AMT-4A RADIOSONDE CONSISTING OF THE T-304A TRANSMITTER & MD-147C MODULATOR. TRANS. IS A.M., 1680 MHZ AND THE MODULATOR CONTAINS THE PRESSURE SENSITIVE ELEMENT OR ANEROID, TEMPERATURE ELE. HUMIDITY ELEMENT AND A COMUTATOR, SERVES AS A SWITCHING ARRANGEMENT FOR THE DIFFERENT SERVICES WHICH IS TRANSMITTED. BY THE RADIOSONDE THAT IS TAKEN UP BY A METEOROLOGICAL BALLON. ALSO USED FOR TRACKING WIND DIRECTION. WITH TUBES 5794 AND 5875. BATT. VOLTAGE REQ. 1.5, 6 & 115 VDC. WT: LESS BATT. 1 1/2 LBS. (613 GRAMS.)

PRICES: MODULATOR ONLY LESS HUMIDITY AND SENSITIVE ELEMENTS \$3 TRANSMITTER ONLY \$4.95



RT-380/AR RECEIVER-TRANSMITTER 2 to 18.5 MC C.W. PHONE, 100 WATT TRANS. AM CRYSTAL CONTROL ON 10 PRE SELECTED FREQ. RECEIVER 50 MW MIN. INTO 600 OHM LOAD. WITH TUBES 1/813, 2/811, 1/1625, 1/6AG7, 1/6V6, 1/12BE6, 2/12AU7, 2/12AL5, 2/28D7 & 4/6BA6. POWER REQUIRED 400 VDC @ 750 MA. 750 VDC @ 350 MA. AND 27 VDC FOR RELAY AC FOR FILAMENTS. (SAME VOLTAGES AS ART-13) (SIMILAR TO COLLINS 18S4)

SIZE: 15 1/2 x 7 1/2 x 23 1/2; WT: 70 LBS. LESS CRYSTALS PRICE: USED LESS DYNAMOTOR \$49.50

R-1/ARR-1 HOMING RECEIVER

ADAPTER, converts 234-258 Mhz input signal to 540-830 KHz output. Input and output impedances: 50 ohms. W/ tuning dial, ant. trim, and 4/954 tubes. Unit has conversion possibilities. Req 12/24 VDC 280/140 ma, 220 VDC 10 ma. 3 1/2 x 4 1/2 x 12 1/2, 6 lbs. Damaged RF capacitor, used "as-is", \$7.50



KB9-A 16 MM MOVIE CAMERA USED TO RECORD STRIKES BY THE MILITARY. HAS 35 MM, F3.5 KODAK EKTAR LENS; VARIABLE APERTURE FROM F3.5 TO F16. FILM SPEED: 32 FRAMES

PER SECOND. FILM CAPACITY: 35 ft 16 MM FILM. CAN BE ACUTATED BY REMOTE CONTROL. POWER REQUIRED: 27 VDC FOR DRIVE MOTOR AND HEATER. RED AND YELLOW FILTERS INCLD. SIZE: 7 1/2 x 2 1/2 x 2 1/2 SHPG. WT: 5 LBS. PRICE: NEW \$34.95

127.4 MHZ AM RECEIVER

RC-3A FIXED FREQUENCY RECEIVER, 127.4 MHZ AM. Compact unit sealed in rugged plastic utilizes seven transistors and a CA3018 integrated circuit. Approx. IF: 20 Mhz. Approx. crystal injection freq: 18 Mhz. Power required: 9 VDC 20 ma. Compartment for two 9 V. transistor radio batteries. Audio impedance: about 2000 ohms; male MB connector. Circuit board (3 1/2 x 2 1/2) is not potted. A few careful cuts with hacksaw allows removal for conversion. With 23" ribbon antenna and canvas bag. Size: 5 1/2 x 1 1/2 x 3, 3 lbs. sh. Unused, w/cutting diagram, \$14.95

EQUIPMENT RACKS

STANDARD 19" RACK EQUIPMENT CABINETS w/rear doors; steel, 185 lbs. Used.

#MAG-19-70, o/a 22" Wx70" Hx22"D for panel 19"x81"x20"; with wheels and grey finish. Some have base extended 9" for added stability. \$70.00

#2MAC-19-70 DOUBLE CABINET, o/a 43 1/2" Wx70" Hx22"D, as above but two 19x61x20 pls. \$110.

#FAA-19-76 RACK, o/a 21 1/2" Wx76" Hx21 1/2"D; for panel 19x68x20. No wheels, green-grey. \$75.

#GE-19-84 RACK, o/a 21 1/2" Wx84" Hx22"D f/panel 19x80x20; 2-rack braces only, no wheels \$65

ENCLOSURES

MS-5373 CABINET, rear entry type f/8"H panel; o/a 19 1/2" Wx19 1/2" H, \$16.

Stk # W x H x D Panel Door Lbs COND PRICE
1313/60 19 1/2 x 13 1/2 x 13 1/2 top 35 Used \$10.
CY-1693 22 1/2 x 16 1/2 x 14 12 no 35 Unused \$18.
1222/173 22 1/2 x 12 1/2 x 20 10 1/2 top 35 Used \$35.
(#1222/173 fits R-388, R-390A, & SP-600.)

TRANSIT CASES

TS-382 TRANSIT CASE, o/a 15x 19x15 1/2; usable space without removal of spacers 10x18 1/2 x 12 1/2. Not hinged; hasp fasteners. Aluminum; 35 lbs. Used, \$12.00

CY-246/UPM-33H ALUMINUM TRANSIT CASE with hinged cover. Usable space in two compartments: 13 1/2" Wx11D and 9Wx10D. Overall: 25 1/2" Wx12 1/2" D x 19 1/2" H. 49 lbs sh. Used, \$12.00

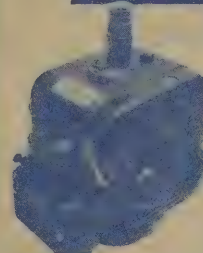
CY-246/UPM-33W, same as above but not hinged; hasp fasteners. Wood and aluminum. Used \$10.

CY693/PDR-27 ALUMINUM CASE, four compartments: 3 1/2 x 4, 7 1/2 x 4, 1 1/2 x 4, and 13x6 1/2; may be removed for 13x10 1/2 size 9" deep. Hasp fasteners; may need repainting. 12 lbs. Used, \$6.00

FIBERGLASS CASE with hasp fasteners (not hinged). O/a 14 1/2 x 14 x 9 1/2; usable 12x12x6 without removing spacers. 10 lbs. Used \$5.

CY-1298 SPARE TUBES CASE w/hasp fasteners. Removable insert has space for 117/7-pin and 2/9-pin mini and one "GT" tube. O/a 4 1/2 x 10 x 3 1/2, 4 lbs sh. Used, \$3.50

SPERRY BOMBSIGHT



SPERRY S-1 BOMBSIGHT, AN AIR-TO-GROUND MECHANICAL SIGHTING COMPUTER AS USED IN WWII AND LATER U.S. BOMBERS. UNIT IS AN EXCELLENT SOURCE FOR PRECISION GEARS, CAMS, AND SIMILAR CONTROL DEVICES. INCLUDES 28 VDC SPERRY GYROSCOPE; LENS/PRISM VIEWING SYSTEM WITH MIRROR LOCK AND POLAROID, CLEAR, BLUE, AND ORANGE FILTERS; AND TIMER WITH

VERNIER MARKED "TIME OF FALL/SECONDS." ALSO CONTROLS FOR 0-80° SIGHTING ANGLE; 30° L-0-30° R DRIFT ANGLE; 0-400 TRAIL/MILS; AND BUBBLE LEVELER. SIZE: 21" Hx12" Wx18" D; SH WT: 100 LBS. IN TRANSIT CASE; 65 LBS. NET. \$100.

GYROSCOPE ASSEMBLY



HONEYWELL VERTICAL GYRO ASSEMBLY #JG-7044N-2, single pitch and roll gyro with 400 Hz motors, mercury switches, etc. Gimbal freedom: ±360° (outer axis, longitudinal), ±65° (inner axis, transversal). Erection rate (2-6)° min. Also 400 Hz 10 motors 26 V (torque), 115 V (caging selenoid), and 115 V 21,000 RPM (power motor). Pick-up pots: 5.5K ohm ±55° (roll), 11K ohm ±85° (pitch). Angular momentum: 6.33x10⁶ gm cm²/sec. Unit has "line of flight" monitors for normal loft or alternate 0/S. 7 1/2 x 9 x 6; 8 lbs net, 12 lbs sh. Used, \$35.00

antenna not included

U.H.F. RECEIVER



R-48/TRC-8 RECEIVER F.M. 230 to 250 MC. ONE BAND VARIABLE TUNING, VOLTAGE REQUIRED 115/230 60 CYC. WITH SPEAKER, PHONE JACK, SQUELCH CIRCUIT 2" METER FOR CIRCUIT CHECKING. WITH TUBES 8/6AG7, 1/9002, 1/5U4, 1/6V6, 1/VR-150, 1/6N7, 1/6SN7, 1/6AL7. SIZE: 20x19x16; WT: 75 LBS. USED \$45.00

MN-26K RADIO COMPASS



BENDIX MN-26K RADIO COMPASS, USED WITH AIR NAVIGATION EQUIPMENT AS DIRECTION FINDER OR GENERAL RECEIVER. COVERS 200 TO 1750 KHz IN BANDS (200-410), (410-850), & (850-1750 KHz). TUNE DIRECT OR REMOTELY WITH SPLINE SHAFT AND CONTROL BOX. REQUIRES 230 V. 100 MA AND 28 VDC. W/TUBES 6F6, 6B8, 2/6J5, 2/6N7 AND 5/6K7. CONVERSION INFO INCL. 17x11x12; 45 LBS. USED, LESS DYNAMOTOR, \$16.95
MN-28LB CONTROL BOX F/MN-26LB REC. SOME DIAL NUMBER CHANGE REQ. FOR USE WITH MN-26K \$3.95
MC-124 FLEXIBLE SHAFT F/MN-26 20" 1.5C
MC-127 SPIN TUNING KNOB FOR REC. 1.5C
MC-203 "T" ADAPTER FOR SHAFT & KNOB USE 1.5C
MN-26 MANUAL FOR MODELS A, C, M, W, Y, X (BASICALLY SAME AS "K" & OTHERS. 5.00

MW-11 VEHICLE RADIO



BC-659 TRANSCEIVER as used in World War II military vehicular communications; transmits and receives on two preset channels in the 27.0 to 38.9 Mhz FM range. Transmitter output: 1.3W. Set has tuning meter, speaker, and tubes 5/11N6, 2/3B7, 4/3D6, 11H4, 11C6, and 1R4. Uses FT-241 crystal-type (not included) and requires 1.5 VDC 0.94 amp, 90 VDC 48 ma, 7.5 VDC 300 ma, and 150 VDC 50 ma. Size: 12x16x21; 40 lbs. sh. Used, not checked, \$45.00

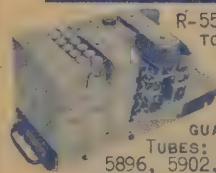
PE-120 VIBRATOR POWER SUPPLY, provides voltages for BC-659 from 6, 12, or 24 VDC depending upon vibrator used. Shipped with 6 VDC (VB-12) vibrator. Unit fastens to bottom of BC-659. 9x16x19, 39 lbs sh. Used, \$17.50; 12 V vibrator, \$3.95; 24 VDC vibrator not available.

CS-79 BATTERY CASE for manpack use of BC-659 6x15x18; 17 lbs sh wt. Used, \$6.00
SCR-609/610 MANUAL, \$5.00
AN-29 WHIP ANTENNA, extends 154", used, \$10.
TM-218 TERMINAL BOX for MP-48, \$4.95
TS-13 HANDSET, \$10.00 with purchase of set.
T-17 MICROPHONE, used, \$6.95; recond., \$9.00

CRYSTAL CALIBRATOR, utilizes 100 KHz crystal to generate harmonics in three ranges: 10 KHz, 100 KHz, and 1000 KHz. Works from 1-30 Mhz on 1000 KHz, 100 KHz-10.5 Mhz on 100 KHz, and 10 KHz-10 Mhz on 10 KHz. Designed for use with Canadian No. 19 Mark III receiver-transmitter. Has three 12SC7 tubes; requires 12 VDC 500 ma, 265 VDC 2.5 ma. 2x9x24; 7 lbs sh. Used, \$12.95



20 CHANNEL RECEIVER



R-550/ARR-40 VHF RECEIVER 265 TO 284.9 MHz IN 20 CHANNELS. GUARD CHANNEL 243.0 MHz. ONE MEGAHERTZ CHANNEL SPACING. RECEIVER MODULES AUDIO, 1.85 MHz IF, IF AND GUARD, RF AND INJECTION UNIT. TUBES: 7/6201, 8/5840, 3/6AK5, 2/5896, 5902. POWER REQUIRED: 28VDC, 130V 140MA, 220V 20MA. SIZE 12x4x6. SH WT 15 LBS. W/COVER, SCHEMATIC; USED, \$19.95
28 VOLT DYNAMOTOR FOR R-550 WT 5 LBS \$4.95

VHF RECEIVER



BC-639 RECEIVER, 100 to 156 Mhz AM continuously tunable over a single band. Controls for CW, tone, AVC-Manual, RF and Audio Gain, Attenuation, and Sensitivity. With tuning meter, phone jacks, and tubes 3/9003, 9002, 4/6SG7, 6SG7, and 6K6. Power required: 210 VDC 60 MA and 6.3 VAC 3.5 amps. Size: 10x19x10, 48 lbs sh. Used, reparable, \$30. Checked, \$60.

115 VAC 60 Hz POWER SUPPLY for BC-639; with speaker. Our construction, \$28.00
CONNECTOR only for receiver, \$3.00
MANUAL f/BC-639, partial reproduction, \$8.50



LF RECEIVER

BC-1003 LOW FREQUENCY RECEIVER & DIRECTION FINDER, covers 100 to 1000 KHz in three bands: 100-200, 200-450, and 450-1000 KHz AM and CW. Designed for use as direction finder with LP-33 (not available) loop antenna as pictured. Usable as LF receiver without the loop. Has dual needle direction indicator which functions as a tuning meter when loop is not used. Kilocycle tuning dial has coarse and fine adjust. Volume balance, BFO, AVC-MVC controls. Antenna trimmers on front for freq. bands. With tubes 6/12SG7, 2/12SA7 2/12C8, 12A6, and 12SJ7. Power required: 230 VDC 100 ma and 12 VDC 3 amps. Size: 8x12x14 (receiver only). Sh wt: 48 lbs. BC-1003, no loop, unused, \$75.00
MANUAL for BC-1003, partial repro., \$8.50
PE-133 12 VDC DYNAMOTOR for BC-1003, \$10.00
AC POWER SUPPLY, our construction, \$23.00

4.4 - 5.0 MHz TRANSCEIVER



RT-252/TRC-27 MICRO-WAVE TRANSCEIVER, 4400-5000 KHz pulse-position modulated, continuously tunable. Converts video channel pulses into RF for transmission and receives RF and converts it back into video pulse. Receiver IF: 60 Mhz; 10 Mhz bandwidth. Noise figure: 13 db. Has AGC and AFC. Transmitter uses video amplification and plate modulation of planar triode type RF oscillator. With tubes 2K22 Klystron, 6280 planar triode, 13/5654, 5670, 5726, 5727, 5814, 2/12AT7, 2/6X4, 6AU6, 3/0A2, 5933, and 3/6AQ5. Power required: 115 VAC 400 Hz. Size: 14x25x11; 75 lbs. sh. Used, not checked, \$150. Schematic, \$5.00

1-152(A) INDICATOR, USED WITH BC-788 ALTIMETER FOR INDICATING HEIGHT OVER TERRAIN IN AIRCRAFT WITH 3DP1 CATHODE RAY TUBE (SAME SOCKET/SHIELD AS 3BP1 TUBE AND OTHER TYPES); ALSO TUBES 3/6AG5 AND 2X2. HAS R.F. CIRCUIT, POTENTIOMETERS, 115 V. 400 CYCLE POWER SUPPLY ETC. (WILL MAKE GOOD FOUNDATION FOR A MONITOR) SIZE: 6x6x12; WT: 9 LBS. PRICE: USED \$8.95 SCHEMATIC \$1.00

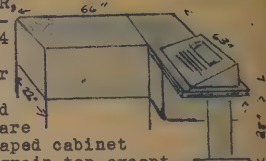
ARR-58 FM RECEIVER

R-863/ARR-58 RECEIVER, FM 162.25 to 173.5 Mhz. DESIGNED TO RECEIVE SONOBUOY SIGNALS ON 16 PRESET CHANNELS. IF=30 Mhz. INPUT IMPEDANCE: 52 OHMS. MORE RECENT VERSION OF THE R-316/ARR-26 RECEIVER. CONVERSION INFO FOR R-316 TO 145-175 Mhz PLUS AUDIO, SQUELCH, AND 115 VAC 60 Hz POWER MODIFICATION INFO INCLUDED. WITH TUBES 7/6AK5, 2/6AS6, 2/6AL5, 6J6, AND 5814. POWER REQUIRED: 150 VDC 125 MA AND 6.3 VAC. SIZE: 5x8x17, WT: 20 LBS. USED, \$19.95

AN/GRC-10 RADIO SET, includes R-125 receiver, T-235 xmitter, DY-94 AC power supply, C-632 control, & mount; 54-70.9 Mhz FM. Used, \$200.

COMMUNICATIONS CENTER

COMMUNICATIONS CENTER, includes ASR-33 teletypewriter, Tally 464 paper tape reader, Honeywell optical bar code reader, logic chassis assembly, and power supplies. All are contained in an I-shaped cabinet with simulated wood-grain top except for the teletypewriter which sits on the desk top. System has automatic send-receive and features a teletypewriter which has a paper punch and operates at 100 words/minute, 600 operations/second. Utilizes ASCII code with parity bit and prints on 8 1/2" friction-fed paper. Teletypewriter is made by Teletype Corp. and is the same as their Model ASR-33 except that the standard ASR-33 control module is eliminated and its functions incorporated in to the system's logic chassis. Consoles are removed from service, appear complete, but are not operationally checked; with manuals. 550 lbs sh. \$525.00 or \$450.00 you pick-up.
ASR-33 TELETYPEWRITER only, as described in the above system, 85 lbs sh., \$375.00 (Loop and control kit allowing stand-alone operation of this ASR-33 available from another source. Write for more information.)



KSR-33 TELETYPEWRITER AND KEYBOARD, CAN BE ADAPTED FOR VARIOUS RTTY AND COMPUTER APPLICATIONS. SPEED: 100 WORDS PER MINUTE; 600 OPERATIONS PER SECOND. HAS THE FOLLOWING FUNCTIONS: CARRIAGE RETURN, LINE FEED, SPACE, AND SHIFT. UTILIZES ASC-11 CODE WITH PARITY BIT. TAKES 8 1/2" SPROCKET-FED PAPER. THIS IS A STANDARD ITEM; PARTS ARE AVAILABLE FROM A NUMBER OF SOURCES. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 8x18x18; SHWC. WT: 60 LBS. USED, OPERATIONAL, BUT MAY REQUIRE SOME ADJUSTMENT. LESS COVER, \$250. \$185.00



F-237/GRC BANDPASS FILTER, designed to operate from 54 to 70.9 Mhz using dial tuning. Bandwidth: 250 KHz @ 3 db points or 4.5 Mhz @ 40 db points. 50 ohm output and input impedance. Unit consists of a 3-gang variable capacitor coupled to 3 sets of three sealed cavities. Type C connections. F-237 has conversion possibilities for 6- and 2-meter amateur applications. An article about these by W. Tucker, W4FXE, appeared in 12/80 issue of Ham Radio. 5x11x11, 17 lbs. \$19.95

BANDPASS FILTERS, gold-plated twin-tuned cavities designed originally for use with R-417/TRC-24 receiver. Conversions by W4FXE of these units for amateur usage appeared in 3/80 Ham Radio Magazine. Each filter has tuning controls and type N connections. O/A 6x12x11, 7 lbs sh. Unused, \$17.50

No.	FREQUENCY	CONVERSION
F-195/U	163-184 Mhz	220-225 Mhz
F-196/U	184-205	220-225
F-202/U	314-344	420-450

Other filters, used only @ \$12.95 each:
F-199/U 224-254 Mhz **F-203/U** 334-374 Mhz
F-200/U 254-284 " **F-204/U** 374-404 "
F-201/U 284-314 "

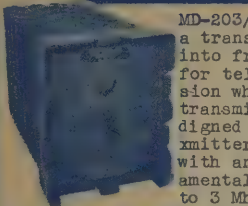
O.5 - 32 MHZ RECEIVER



R-390A/URR RECEIVER, covers 0.5 to 32 Mhz in 32 one Mhz bands read directly from a counter-type indicator. Mechanical filters. Triple conversion: 1st IF variable 17.3-25 Mhz; 2nd, 3-2 Mhz; 3rd, fixed 455 KHz. Receives CW, MCW, and voice; also single sideband and FSK through use of BFO. Built-in crystal calibrator every 100 KHz. Output impedance: 600 ohms. Antenna input impeded: 125 ohms balanced. Rackmount, no covers. 115/230 VAC 60 Hz. Size: 10x19x16 $\frac{1}{2}$; 95 lbs. sh.

R-390A USED, REPARABLE, CHECKED, \$450.00
MANUAL, \$12.00 **\$295**

TRANSMITTER MODULATOR



MD-203/GR MODULATOR, converts a transmitter's CW signals into frequency shift signals for teletypewriter transmission when coupled to the transmitter's exciter. Designed for use with T-195/GRC xmitter, the unit is usable with any xmitter with a fundamental frequency in the 1.5 to 3 Mhz range. Frequency

shift: 850 Hz (1.5-3.0 Mhz), 425 Hz (3-6 Mhz), 212 Hz (6-12 Mhz), and 106 Hz (12-20 Mhz) according to ten position freq. band selector switch. 1 volt min. input necessary. With tubes 26A7, 26D6, and 5/26A6. Power required: 27 VDC 1.8 amps. 9x7x13 $\frac{1}{2}$; 25 lbs. sh. Used, \$17.50; Power plug, \$3. w/set purchase. MANUAL for MD-203, partial reproduction \$8.50

CODE PRACTICE SET



AN/GSC-1 CODE PRACTICE SET designed for student practice of Morse code, accommodating upto 10 keys. Hand keying produces either an audio tone with adjustable volume and pitch or a blinker flash. Has effective range of

40 ft. if background noise is less than 60 db Can be operated from 6, 12, 24, or 115 VDC or 115/230 VAC. With built-in speaker, blinker, volume and pitch controls and tubes 6X5 and 2/6AK6. Keys not included. 13x18x11; 58 lbs sh. Used, \$14.95; Gov't. record., \$24.95

SOLID-STATE AUDIO FREQUENCY AMPLIFIER, DESIGNED FOR USE IN AIRCRAFT ON-BOARD COMMUNICATIONS. FOR TALKING OR LISTENING. HAS PEAK CLIPPING AND AGC CIRCUIT. RESPONSE: 200-6000 Hz; 150 MW OUTPUT. USES 27 VDC. SIZE: 4-3/8x1x3; SH WT: 2 LBS. AM-476/AIC-10, OPEN FRAME AS PICTURED, USED, \$4.95; AM-476, SEALED/POTTED, \$2.95

R-391/URR RECEIVER, 0.5 to 32 Mhz AM and CW. Similar to R-390A except has autotune capabilities for 8 preset channels and does not have mechanical filters. 24 VDC required for autotune use; rackmt. Used, reparable, \$250.

WIRE RECORDER

IC/VRW-7 WIRE RECORDER, unit records only--no playback. Has single input channel; 600 ohm impedance. 290 RPM recording speed; 300 to 3500 Hz frequency response. Has volume control, mic and headphone jacks on front. With two 28D7 tubes and reel of wire for 60 minutes of recording. Requires 24 VDC for operation. 12x7x6 $\frac{1}{2}$; 17 lbs sh wt. Used, \$22.95

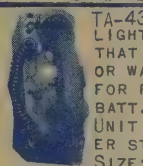


MX-303A/VRW WIRE RECORDER MAGAZINE with 60 minutes of recording wire, magnetizing head, other parts; 5 lbs. See page 9, used, \$9.95

TA-1/PT TELEPHONE

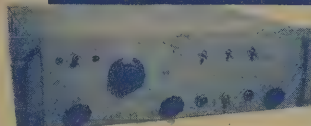


SOUNDPOWERED TELEPHONE SET WITH AUDIBLE AND VISUAL CALL SYSTEM. PALM OPERATED GENERATOR PUTS OUT APPROX. 100 V. THAT SOUNDS BUZZER IN OTHER PHONE AND ACTUATES VISUAL INDICATOR. COILED CORD WITH PUSH TYPE BINDING POSTS FOR INTERCONNECTING WIRES TO BE FASTENED TO. COMES WITH FIBER CARRING CASE. SIZE: 8x3x3 $\frac{1}{2}$; WT: ACT 2LB USED \$25.00 EACH



TA-43/PT TELEPHONE SET IS A RUGGED, LIGHTWEIGHT, WATERPROOF FIELD TELEPHONE THAT CAN BE USED OUTDOORS ON A DESK OR WALL MOUNTED. HANDCRANK GENERATOR FOR RINGING BUZZER. REQUIRES 2 $\frac{1}{2}$ V BATT. FOR LOCAL USE NONE REQ. W/CB. UNIT COMES IN A CANVAS CASE & SHOULD-ER STRAP WITH ZIPPER. SIZE: 12x7x4; WT: 10 LBS. \$45.00

TMC - SSB CONVERTER



CV-591 SSB CONVERTER, same as TMC MSR-4. Used with 2-32 Mhz receivers with 455 KHz IF's such as the

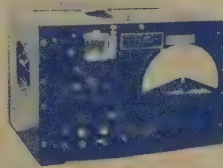
R-390A and the SP-600JX. Operates upper and lower SSB, AM, CW, FSK, and FAX. Input voltage: 0.1 to 10 V-rms. Input impedance: 240K ohms. Bandspread -3 KHz. Slow/Fast AVC speeds. Output remains constant within 9 db with 40 db change in input. Output impeded: 8 or 600 ohms. Requires 115/230 VAC 50-60 Hz. 5x19x13 $\frac{1}{2}$; 28 lbs sh. Used, reparable, \$145.00 MANUAL for CV-591, partial repro. \$8.50

FL-30 AUDIO FILTER



1020 HZ AUDIO FILTERS, can be used to reduce interference in CW and audio signals for receivers. Each filter provides a sharp null at approx 1020 Hz in voice mode while frequencies near 1020 Hz are passed in "range mode. Response can be broadened by placing a variable resistor from input to output. Terminal strip connections. 3-1/8x3x1 $\frac{1}{2}$; 3 lbs sh. Used, \$4.95

F-90 AUDIO FILTER, similar to FL-30 except has sharper filter action. Designed for aircraft panel mount; has one 28 V panel light and schematic. 5x2x2 $\frac{1}{2}$; 3 lbs sh. Used, \$3.95 MATING CONNECTOR for F-90, \$2.50



RD-60/U CODE RECORDER OF RADIO TELEGRAPH CODE SIGNALS. USES 3/8" WIDE, 800 FOOT ROLLS OF PAPER TAPE. RECORDS CODE SPEEDS UP TO 1000 WORDS PER MINUTE WITH A RECORDING TIME OF 26 MINUTES

(LOW) OR 13 MINUTES (HIGH). INPUT SIGNAL FREQ. 500 TO 5000 HZ. INPUT-IMPEDANCE 500 AND 5000 OHMS. OUTPUT IMPED. 6 OHMS.

WITH 9 TUBES. POWER REQ. 115 V. 60 HZ. SIZE 19x16x12 $\frac{1}{2}$; WT: 150 LBS. PRICES: USED LESS CABINET REPARABLE \$19.95 " WITH " 24.95 Gov't RE-CONDITIONED W/CABINET 30.00 MANUAL for RD-60 recorder, \$5.00

MODEL 14 TELETYPE TRANSMITTER--DISTRIBUTOR SINGLE CHANNEL, GOVERNOR CONTROLLED MOTOR 1/25 HP 2100 RPM, TAPE DISC NO. 77070, 60 WPM, POWER REQ. 115 V. 60 CYCLE. SIZE: 15x8x9; WT: 35 LBS. PRICE: USED \$19.95



TAPE. TELETYPEWRITER

TELETYPE PERFORATOR TAPE, 11/16" WIDE 900 FT. OILED ROLLS. \$.60 PER ROLL; 10 ROLLS for \$3.

TRANSMISSION



TS-367 MIC & HEADSET TESTER, checks sensitivity of carbon and magnetic mics; sensitivity, noise, and match of headsets; and flight suit circuits. Has 1 KHz oscillator, 600 ohm audio amp, 0-3-9 AC ammeter, 24 VAC output, and 0-135 V 1 amp Variac. 115 VAC 50-1600 Hz. 10x13x18, 62 lbs sh. Used, \$39.50

TS-903/PTM-6 TELEPHONE TEST SET, measures characteristics of telephone and related equipment; 65 lbs. Used, \$60. Unused, \$100. SIERRA 940A LINE CONDITION TEST, repara \$165.

MRC-66 RADIO-TELEPHONE



MRC-66 SUBSCRIBER SET, designed by Motorola as part of full

duplex SSB mobile radio-telephone system which transmits at 156 or 166 Mhz, receives at 156 Mhz. Each set has two channels plus a conference channel. (156 Mhz was used simplex if the central switching installation became inoperative.) Transmitter consists of SSB generator, oscillator, mixer, two driver chassis, and two power amp chassis--one 156 Mhz, the other 166 Mhz and each with 4CX300 tube. Cavity tuning used in driver and P-A sections. Receiver has two RF amps along with IF, frequency correction circuitry, oscillators, two tone decoders, etc. Transmitter has 25 tubes; receiver 35 tubes. Both have ringing and busy signal circuits. Also included in set are power supply, 24 VDC 30 amp dynamotor, cables and rack. Control box which is necessary is not available. Size: 15x6x18 (rec. and trans units each), 9x6x17 (pwr supply). Shipped in wood crate as received from gov't; 250 lbs sh wt. MRC-66 SUB-set, w/schematics, \$165.00

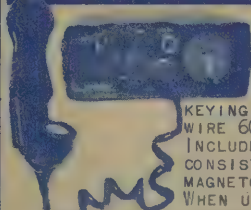
FM STATION MONITOR

TS-971 TEST SET, similar to Motorola T1130-series FM station monitors. Consists of unichannel session control receiver, VVV receiver, squelch kit, power supply, and two 4x4 $\frac{1}{2}$ panel meters--one for 15-0-15



Carrier Frequency (KC) or Relative Field Strength (ua), the other 0-20 KC Modulation deviation 0-0-+6 DB Line Level. Set is designed FM transmitters in 150.8 to 174 Mhz range upto 50 watts output and is usable for 450 to 470 Mhz range. Carrier deviation determined by selecting 150, 155, 160, Mhz reference crystal for control receiver plus channel crystal for the difference between the reference crystal and the transmitter frequency. Any deviation is indicated on panel meters. VVV receiver selectable 10 or 15 Mhz and can be heard on built-in 3 ohm speaker. VVV section also has 5 Mhz crystal standard for calibrating control receiver. Easy access to unit's 26 tubes by front panel door or lift top on cabinet. Shipped with choice of 150, 155, or 160 Mhz reference crystal (give alternate). Size: 21x10x13 $\frac{1}{2}$, 58 lbs sh wt. Used, reparable, \$65. Extra ref. xtal, \$10.

FIELD PHONE-CONTROL SET



C-2172/GRC-14 FIELD REMOTE CONTROL SET; DESIGNED FOR USE WITH AN/GRC-14 RADIO GROUP IN AM, PHONE, AND CW

KEYING OPERATIONS OVER A TWO-WIRE 600 OHM TELEPHONE LINE. INCLUDES 20 HZ RINGER SYSTEM CONSISTING OF A HAND-CRANK MAGNETO GENERATOR AND BELL. WHEN USED WITH A H-33/PT HANDSET, THE CONTROL UNIT IS FUNCTIONALLY A FIELD TELEPHONE. TERMINALS PROVIDED FOR PHONES, MIC, AND KEY. SWITCHES FOR SERVICE (CW, AM, AND TEL); FSK CONTROL; AND SIGNAL (BELL OR CALL LIGHT). SOLD WITH H-33/PT HANDSET. POWER REQUIRED: TWO "D" CELL AND ONE 45 VDC BATTERY (NOT AVAILABLE). SIZE: 3x9-3/8x7-1/8; SHPG. WT: 13 LBS. PRICE: UNUSED, WITH USED H-33/PT, \$19.95

Headsets Telephone Equipment Microphones Handsets



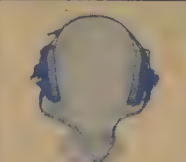
HS-33 HEADSET, 600 OHM, W/USED ANBH-1 ELEMENTS AND UN-USED GREY PLASTIC HEADBAND. 4 1/2" CORD WITH PLUG. LESS CUSHIONS, \$15.00

HS-33 W/HB-7 BROWN HEADBAND (NOT U.S. MFG.) 18" CORD AND PL-354 PLG. \$14.50

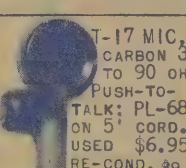
HS-23 HEADSET 2000 OHM; SAME HS-33 EXCEPT NEW ELEMENT. W/GREY HB-7, \$9.25 W/BROWN HB-7, \$9.00

4" CHAMOIS CUSHIONS, \$2.25 PR. RUBBER CUSHIONS MC-162, 2 1/2", \$1.00 MX-41, 2 1/2", \$1.25

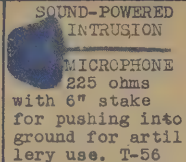
HB-7 HEADBAND ONLY GREY \$3.25 BRO. \$3



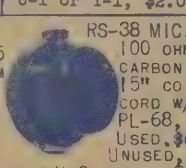
#ZA/CAN1638 DYNAMIC HEADPHONES, 50 OHMS IMPED; MOVING COIL-TYPE, QUALITY REPRODUCTION. ADJUSTABLE CANVAS STRAP FITS ON TOP THE HEAD; STEEL-BAND BEHIND. WITH CHAMOIS CUSHIONS, 11" CORD, AND PHONE PLUG. UN-USED, \$4.95



T-17 MIC, CARBON 35 TO 90 OHM PUSH-TO-TALK; PL-68 ON 5' CORD. USED \$6.95 RE-COND. \$9.



SOUND-POWERED INTRUSION MICROPHONE 225 ohms with 6" stake for pushing into ground for artillery use. T-56 USI element 1614-11 unused \$3.75 Western Electric Sound-Powered 1024 ohms D-173016 trans. D-173012 receiver new \$3.00 ea. Carbon Elements F-1 Mic. \$1.50 Lip Mics: M-51 M-6 M419 etc. \$1.50 Telephone elements: U-1 or T-1, \$2.00



RS-38 MIC, 100 OHM CARBON. 15" COIL CORD W/ PL-68, USED \$6. UN-USED, \$8. NOT U.S. MFG. \$8.



T-45 LIP MIC

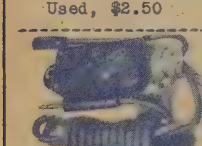
BRASS KEY WITH 2 BEARINGS; ADJUST. CONTACTS, COVER, CORD, AND PLUG. #R11950, \$4.75



T-30 THROAT MIC.

M-86/U MAGNETIC MICROPHONE; 50 OHM IMPED. PUSH SW. LEVEL CONTROL 7' CORD. UN-USED \$14.95

T-45 MICROPHONE CARBON TYPE 100 OHM 50DB BELOW 1 MILLIVOLT, FLAT RESPONSE WITH PL-291 2 CONT MALE PLUG, 11" CORD Used, \$2.50



CD-318 EXTENSION CORD WITH PL-291 2 CONTACT FEMALE PLUG TO FIT T-45 & T-30 MICS. SW-141 SWITCH & PL-68 MIC PLUG ON 7 FT. CORD USED \$2.00

PL-68 MIC PLUG 30" Used, \$1.00

JK-33 JACK TO FIT PL-68 MIC. PLUG. Used, 3 for \$1.00

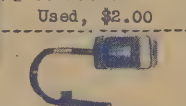


COILED CORD SET

Three conductor, 24" to 72" 75¢ 12" to 36" 50¢ 3-cond. in colors 18"-36"; green, red, lt. blue 50¢ Grey or pink, 3/4" Five conductor, 12" to 36" \$1.25



CD-307 CORD EXTENSION FOR CORDS WITH PL-54 PLUG AS USED ON HEADSETS, 65" LG WITH JK-26 JACK & PL-55 PLUG. Used, \$2.00



CD-604 CORD WITH IMPEDANCE MATCHING TRANSFORMER 500 OHM TO 4000, USED WITH HS-30 HEADSET, 6" CORD & PL-54 PLUG. UN-USED \$1. USED 60¢

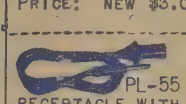
CD-605 CORD SAME AS CD-604 ONLY 30" LG. WITH PL-55 PLG USED, \$2.00

PL-55 PHONE PLUG 30" CORD \$1.00

JK-34 PHONE JACK TO FIT PL-55 PLUG Used, 3 for \$1.

MC-385 HIGH TO LOW ADAPTER FOR HEADSET 4000-600 OHM USED \$1.50 UN-USED, \$1.50

T-30 MICROPHONE CARBON TYPE, 75 OHM 50DB BELOW 1 MILLIVOLT, FLAT RESPONSE WITH PL-291 2 CONT MALE PLUG, 11" CORD PRICE: NEW \$3.00



PL-55 RECEPTACLE WITH PL-55 PLUG ON END 3 FT. CORD #R16-G34820, unused \$2.

AN/GSA-6 CHEST SET GROUP for use with H-63 Headset & Boom mic. SA-142 Switchbox & CA-1070B cord w/plug. \$5 each.

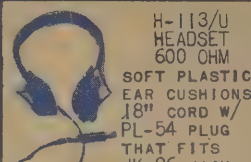
HB-1 HEAD-BAND \$1.50

for 1-3/4 elements HB-1/2000 ohm elements & Y cord 6' used used \$4

STANDARD TELEPHONE HANDSET AND CORD, BLACK, USED \$4. NEWER STYLE NEW, \$5.95



STANDARD TELEPHONE DIAL USED \$2.00



H-113/U HEADSET 600 OHM SOFT PLASTIC EAR CUSHIONS 18" CORD W/ PL-54 PLUG THAT FITS JK-26 JACK (SEE CD-307) \$7.95 USED MIC. OR PHONE ELEMENTS ONLY, \$1 EA.

EXTENSION CORD ELSEWHERE ON THIS PAGE. WT: 3LBS. USED-EX \$4.95

H-62 HEADSET SAME AS H-113/U ONLY IN BLACK AND HAS PROVISIONS FOR SNAPPING ON LIP MICROPHONE CW-51071 LISTED BELOW. USED-EX. \$4.95

CW-51071 LIP MICROPHONE 100 OHMS IMPEDANCE W/ 2 SNAPS FOR FASTENING TO H-62 HEADSET, 14" CORD W/ PL-291 PLUG INTO EXTENSION CORD CD-318 LISTED ON THIS PAGE OR CW-49561 EXTENSION CORD LISTED BELOW USED \$1.00

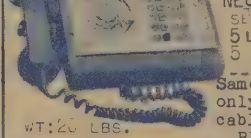
JK-38 PHONE JACK FOR IN-LINE USE, TAKES TWO PL-55 PHONE PLUGS \$1

PUSH BUTTON SWITCHES FOR HANDSETS THAT USE BUTTERFLY TYPES. DIRECT REPLACEMENT. #5930-327-7308 \$1.25

WESTCLOX 202 KEY WITH ADJUSTABLE CONTACTS; COVER, CORD, AND PL-55. #W-202/5854, \$3.95 EA. 3/\$10.

THIS IS THE KEY USED TO MAKE THE TWIN PADDLE KEY DESCRIBED IN QST ARTICLE OF FEB. 1973. THREE A-202 KEYS ARE REQUIRED, PLUS 3 BINDING POSTS AND BASE. ALSO SMALL HARDWARE & FINDINGS IMA, OH 45804

TWIN PADDLE KEY MADE FROM A-202 BY R.N. MASON W8NN 551 TURNER IMA, OH 45804



CALL COMMANDER SWITCHBOARD NE634C-1AS RE-MOVED FROM SERVICE. 11 LINES \$24.95 5 LINES \$20.17 3 LINE KEY-BAR ONLY \$8.00

Same style as Call Commander only 5-line, one-hold; with cable & plug. Black or beige. BE#1701-6B, used, \$22.50

STANDARD DESK SET: 3-line, 3-hold w/cord & terminal lugs, used \$18

STANDARD DESK SET: one line only, w/cord & terminal lugs. used \$15

MODERN TRIM-STYLE PHONE, desk type with dial, ringer, and 6' cord with modular jack; re-furnished. Colors: black, red, green, harvest gold. \$34.95

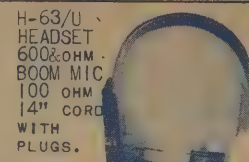
PRINCESS TELEPHONES with dial but no ringer. Colors: pink, blue, or turquoise. Specify 1st & 2nd choices. With cord and terminal lugs. Used, \$15.

WALL TELEPHONE; Straight line 20 cycle ringer, with dial. Various Manufacturers Wall-Tell#5103, 5 lbs. used \$15.00

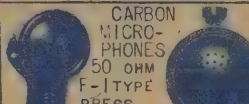
STANDARD TYPE HANDSET, AMPLIFIED RECEIVER with volume control. Jen.#20 \$20

WE-302 TELEPHONES; OLD, ANGULAR STYLE. STRAIGHT OR COIL CORD (NO CHOICE); BLACK. USED, \$9.95

HANDSET HOLDER FOR HORIZONTAL MOUNTING, SIZE 1 1/2x3 1/2 #6988 \$.50



H-63/U HEADSET 600 OHM BOOM MIC 100 OHM 14" CORD WITH PLUGS. \$7.95 USED MIC. OR PHONE ELEMENTS ONLY, \$1 EA.



CARBON MICROPHONES 50 OHM F-1 TYPE PRESS TO TALK No. C-3 (LEFT) 4' CORD PL-55 PLUG UN-USED \$4.95

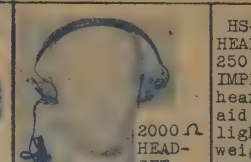
M-2/10A/1422 (RIGHT) 4 1/2 FT. CORD PL-68 \$3.95

CO-78 HEADSET "Y" CORD 7' LG. RUBBER COVER NO PLUGS, TERM. \$1.50

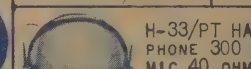
PL-204 PLUG; SINGLE HOLDER PL-68 & PL-55 SIDE BY SIDE. \$2.00

DOUBLE PLUG D178452 F/HEADSET SIMILAR 289 298. #3850 NEW \$1.50

SWITCHBOARD CORD 4 1/2" W/PL-47 #BD-96 \$1.00



HS-30 HEADSET 250 OHM IMPEDANCE hearing aid type light weight headband 7 1/2" cord w/spade lugs that wire into CD-604 or CD-605 cord for 4000 ohm. used \$4.75 new \$8



H-33/PT HANDSET PHONE 300 OHM, MIC 40 OHM W/ CORD UG-77 PLUG & PUSH TO TALK SWITCH. USED \$5.95

HS-16 HEADSET OR EQUIVALENT (SIMILAR TO PIC.) 2000 OHMS WITH 6' "Y" CORD & METAL TIPS. USED, EXC., \$4.75

TS-9 HANDSET WITH PUSH TO TALK SWITCH (NOT BUTTERFLY) WITH 3 COND. CORD 4' AND TERMINAL LUGS. NEW COND. \$4.95

SOUND-POWERED HANDSET WITH COILED CORD 4FT. NEW MANUFACTURE. BROOK-Tel #1 \$13.95

OPERATOR'S TYPE PHONE & ADJUSTABLE BOOM MICROPHONE HEADSET ASSY. RUBBER-COVERED ELEMENTS; PHONE 300 OHM, MIC 40 OHM. 4 FOOT CORD. H-81, H-144, OR SIMILAR, LESS PLUG, \$8.95

W/UG-77 PLUG, \$9.95 W/UG-77 AND SWITCH, \$10.95

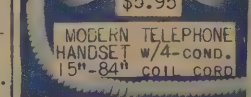
CX-1422/U "Y" CORD FOR HANDSETS. 10 FT. 10 INCHES LG. WITH PL-55 ON ONE LEG; PL-68 THE OTHER. UN-USED, \$4.50

BRASS KEY WITH THREE BEARINGS; ADJUST. CONTACTS, COVER, CORD & PLUG. SIZE: 2x5x1/2 3B-#9, \$7.50

BLACK \$5.95

MODERN TELEPHONE HANDSET w/4-COND. 15"-84" COIL CORD

NEW, PEARL GRAY, \$4.95



J-37 Key with brass adjustable contacts, mounted on bakelite base 3"x6"x 3/8" with cord. Used \$7.95

J-45/J-116 Leg Iron only to mount J-37 Key, used \$4.75 CD-201 cord w/PL-55 Plug to complete assy. \$2.

H-60 HANDSET f/TA-43-312 phones. used \$10

H-189 HANDSET f/PRC-25, VRC-12 Used \$12.

M-80 MICROPHONE with U-229 plug. used \$10

M-29 MICROPHONE with U-77 plug. used \$5

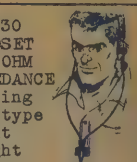
TELEPHONE BELLS USE AS EXTENSION ETC. 2 LB. 4x4x1 4B3661A \$1.50

CHAMOIS CUSHIONS 4" DIA. \$2.25 PR.

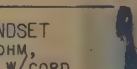
TELEPHONE SWITCH KEY IN METAL BOX FOR MTG. LEVER TYPE SWITCH. MC-88003 FOR 2 OR 3 LINE. (SPECIFY) \$2.95

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W/UG-77 PLUG, \$9.95 W/UG-77 AND SWITCH, \$10.95

CX-1422/U "Y" CORD FOR HANDSETS. 10 FT. 10 INCHES LG. WITH PL-55 ON ONE LEG; PL-68 THE OTHER. UN-USED, \$4.50

BRASS KEY WITH THREE BEARINGS; ADJUST. CONTACTS, COVER, CORD & PLUG. SIZE: 2x5x1/2 3B-#9, \$7.50

BLACK \$5.95

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NEW, PEARL GRAY, \$4.95



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TELEPHONE BELL IN METAL BOX FOR MTG. LEVER TYPE SWITCH. MC-88003 FOR 2 OR 3 LINE. (SPECIFY) \$2.95

GENERAL TIMERS
 TM-506 to right, 0-14 second indicator 110 volt 60 Hz. motor repeat cycle used 6.95
 TM-229 same as above, no face plate, knob or dial. For 10 seconds oper. max. U \$5.

VARIOMETER TUNING RF TRANSFORMER
 for use in the 175 Khz-18 Mhz range. Outside coil 27 1/2 turns; inside ball 25 1/2 turns. Outside coil size: 5 1/2 x 6 1/2, shaft 3/16. 7 lbs sh. #C6239, \$5.

METERS for vehicles; 2 1/2" round. Unused, \$5.00 each.
 #GPA10844; 8-16 VDC, 12 V red line; Stewart-Warner. #1513195; 40°-160°-240° F temp., 24 V., AC mfg. #BL-111947; Battery Charge, FS-10 amps, red line 6 amp Benwood-Linze Co. mfg.

BAGS, STRAPS AND COVERS. MAY BE USED OR UNUSED. ALL ARE CLEAN WITHOUT TEARS. SHOULDER STRAPS ARE ADJUSTABLE AND MADE OF COTTON WEBBING.

CW-189 BAG w/ SHOULDER STRAP AND SNAP COVER 10"Hx9 1/2"Wx8"D. \$5.00

BG-175 BAG similar to above, 9 1/2"lx 9 1/2"hx7 1/2"d. used, no tears \$3

BG-1942 BAG, AS ABOVE WITH STRAP CLOSE COVER AND 8"H. 8"Wx2 1/2"D. \$2.50

BG-189 WALST BAG, 10"Hx5 1/2"Wx3 1/2"D w/2 1/2" belt loops & cover w/snaps \$2.50 ea. 2 for \$4

CS-76 BAG, LIKE CW-189 BUT DUZ COVER CLOSURE. 7"Hx10"Wx8"D. \$2.75

ST-19 CARRYING STRAP, 65" LG. X 2"W; w/2" SWIVEL-EYE SNAP HOOK AND TONGUELESS-BAR BUCKLE NEAR ONE END TO ADJUST LENGTH. \$3.00

ST-42 CARRYING STRAP, AS ABOVE, NO SWIVEL, \$2.50

ST-54 CARRYING HARNESS AS USED WITH BC-1000 TRANSCIVER; 38 1/2" EXTENDED LENGTH, 14" WIDTH. ADJUSTABLE STRAPS AND SNAP HOOK, \$3.

ST-120 HARNESS FOR PRC-8-9 -10 RADIO SETS. SIMILAR TO ABOVE, SAME USE, \$5.00

CW-216 CARRYING BAG F/PRC ANTENNA AND H-33 HANDSET, COMPARTMENTS FOR EACH. O/A 19" LONG WITH TOP 5" WIDE TAPERING TO 3" WIDE AT BOTTOM, 3 1/2" DEEP. W/SNAP COVERS AND HANGER FOR AMMO BELT, \$6.00

CW-206 ROLL BAG FOR MS-116 SERIES MAST SECTIONS. COMPARTMENTS FOR GRC-SERIES SET ACCESSORIES. SNAP AND WEB STRAP CLOSURE. O/A 40" LONG, 3"Hx5"D. \$5.00

MOTOR DRIVEN RELAY SPST norm. open 115 v. 60 Hz. 10 amps. cont. motor 115v 60 Hz. non. sync. 3.8 w. 4/5 rpm. Cams can be set to set to make cont 30 to 60 seconds. Also has provision to bring out a shaft. size 2 1/2x4x2, 1 lb. #N17H-68292 unused \$6.00

TIME-O-MATIC SIGN CONTROL, 115 VAC 60 HZ. THREE CONTACTS RATED 15 AMP EACH. TWO ALTERNATELY MAKE AND BREAK ONCE PER SECOND FOR 15 SEC; OTHER BREAKS FOR 20 SEC. AT THE SAME TIME. THEN ALL THREE MAKE AND THE CYCLE REPEATS. SIZE: 3x5x6; SHPG. WT: 5 LBS. #53 K-155, \$4.95

KEY SELECTOR CONSISTS OF MANUAL CLOCK MECHANISM FOR SENDING 17 IMPULSES, CAN BE SET TO CALL ANYONE AT 78 STATIONS, SPST LEVER SWITCH 2x2 1/2x4 1/2: 4C5100.60A \$1.50

SYNCHRON CLOCK MECHANISM, NO.610 110 V. 60 CYCLE 3 WATT 1 RPM #EC-129RB, WITH GEAR ASSY, NO RESET OR COVER. 2x2x2 1/2; 4oz. \$1.35

SYNCHRONOUS MOTOR, 26 volt 60 cycle, 60 rpm, shaft 1x 1/16, motor 1 1/2x2 1/2 #1147 \$2

HANSEN SYNCHRON CLOCK MOTOR 110 VOLT 60 CYCLE 10 R.P.H. MODIFIED WITH SLEEVE OVER SHAFT TO 24 R.P.H. #A12-RC-12-62 \$1.50

GRAMER TIMER SWITCH ASSY. MODEL TC-60SEC, 230 V 60 CYC. SWITCH 5 AMP. CONT. 3.8 w. 4/5 RPM MOTOR. \$1.95

THERMAL SWITCH opens 30 sec. after cooling. Operate 130 vac. 2m ohm res. 1 1/2x1 1/2, 20" leads. M-4199 \$1.50

SA-235/APA-57 CONTROL UNIT: Has a small Gyro connected to a contact arm that moves across resistance contact

which will give four voltage readings in right or left positions. Also has 2PDT 24v. relay switches etc. 10x5x5; 4lbs. \$6.95

CONTROL FLIGHT RATE GYRO. 115 volt 400 Hz. Gyro size 2 1/2x2 1/2x2 1/2, case size 3 1/2x3 1/2. wt: 3 lbs. J67005 A-7 \$5

AS-207/CRT-3 ASSY w/300' #16 strand braided cadmium alloy copper wire on RL-48 reel and crank; mounted to aluminum door w/adjustable brake and snap swivel. Part of CRT-3 xmitter antenna which attached to kite or balloon. 2 1/2x2 1/2 dia, 3 lbs. Used \$9.95 No door-damaged reels, 6.95 Wire only, \$4.95

RELAY CONTROL UNIT WITH 4/24 VDC REED AND 3/24 V. P&B 4PDT RELAYS. ALSO 1500 MFD 100 VDC AND 3000 MFD 25 VDC CAPACITORS; 6' 11-CONDUCTOR CABLE; AND SOLA TRANSFORMER WITH 24 V. AND 75 VDC OUTPUTS. NICE CASE: 6x5x10 (TOP), 3x5x10 (BASE); 15 LB. #RCU1, \$9.95

RECORDING TAPE - MAGNETIC TAPE FOR MOST AUDIO RECORDERS, 10 1/2" REEL; 1/4" WIDTH APPROX. 3600 FT LEADING MANUFACTURERS. WT; 2 LB AST3045 \$1.50 4 FOR \$5

WIRE RECORDER MAGAZINE for one hour w/wire on spool magnetizing head, timers switches etc. For use with Wire Recorder IC/VRW-7 on page #MX-303 5lbs \$9.95

HEATING ELEMENTS ROUND HEATING ELEMENT, 6" OUTER DIA., 3 1/2" INNER DIA. 1/2" THICK. 118 VAC 500 WATT. NUT TERMINALS. #HSW-6, \$3.

CHROMOLOX, CARTRIDGE-TYPE C-414; 115 VAC 180 WATT. 2 1/2x3 1/2; 9" LEADS, \$1.50 STRIP HEATER, 46 V. 60 W. 1 1/2x5 1/2, #PT5X73, \$1.50

LOOP COIL TYPE, 9" LONG: 115 VAC 30 W. #83975, \$2.00

DOUBLE "U" LOOP COIL, 3" HIGH. 115 VAC 1000 WATT. CHROMALOX #2111-2, \$2.50

LONG DURATION TIMER WITH 115v RESET RELAY. 115v 60 HZ 1/16 RPH MOTOR. CAM ACTUATES SPDT MICRO SWITCH. 3 1/2x2 1/2. UNUSED \$2.95

ILLUMINATED CLOCK MECHANISM AS USED ON CLOCK RADIOS. CLEAR PLASTIC FRONT TO TRANSMIT LIGHT, NO HANDS. HAS 60 MIN TIMER ALSO HAS ON-OFF-AUTO ALARM 2"sq FACE. 115v 60 HZ. SH WT 2 LB. UNUSED \$1.50

ELECTRIC TIMER ONE HOUR, OPENS AT END OF PERIOD 115 V. 60 CYCLE CONTACT 230 V 25 A. ROBERTSHAW 700-2141 \$1.95

STOVE TIMER CLOCK MECHANISM START-STOP OFF-REGULAR 115 V.A.C 60 cycle Switch rating 230VAC 30AMP Knobs are not the typ used on stove but can be modified Black Face Q155791 \$2.95 Silver " Q155795 3.25

TIMER SPRING WOUND TYPE closed when unit is wound, opens at the end of time. 30 minute 115 volt 20 amp. Lux#2500 \$5.95 60 minute 120/240 vac 15 amp. Rhodes 65b \$4.50

MN-40 INDICATOR 0-360 DEGREE SCALE SIMILAR TO ABOVE EXCEPT THAT IT IS OPERATED MECHANICALLY BY USE OF A SPLINED FLEXIBLE SHAFT OR SPIN KNOB OR BOTH. MN-40 INDICATOR 5" \$2.50 MC-124 SHAFT 20" \$1.50 MC-137 SPIN KNOB \$1.00

AUTOSYNS THAT CAN BE USED TO MAKE WIND DIRECTION AND SPEED SYSTEMS.

Sperry #5663642 \$2.95 AY-201 or equivalent used \$4.00 AY-1 Autosyn new \$5.95

See page 17 for more info.

SPERTI VACUUM SWITCH SIMILAR ONE IN ART-13 XMITTER. KEYING RELAY. GLASS, SPDT. #3340-5345, \$3.00

PUSH SWITCH ASSY, 9 SWITCH SP PUSH OFF, 8/DPST CANCEL ING TYPE WITH ONLY ONE IN USE AT A TIME; W/BUTTONS, 5 1/2x2x2 1/2. #Z29903A, \$3.95

INTERLOCK SWITCH, HEAVY-DUTY 3" COPPER STRIP CONTACTS OPEN WHEN DOOR IS OPENED. PLUNGER 1-1/8". 2 1/2x1 1/2x2 1/2. ONE-LITE #231 \$2

BC-610 XMITTER INTERLOCK SWITCH, 2 1/2x1 1/2. GE#7760014-2, \$2.00

3" DIA 0-360° INDICATORS, usable for antenna position project in 9/79 QST & windspeed proj. I-81 5" marks, used \$8.95 ID-637/ARN, 2" marks and VAR knob, unused, \$12.95

ID-68/APA-44 AIR SPEED INDICATOR; CONTAINS A KOLLSMAN TRUE AIR SPEED METER AND A INDICATING WITH A RANGE OF 84 TO 434 KNOTS. HAS OSTER MOTOR AV-240, RELAY, 1/6AK5 TUBE, COMPENSATING DEVICE PLUS MANY OTHER COMPONENTS. 15x7 1/2x5; 20 LBS. USED \$15.

RT-58/ARC-12 CHANNEL SELECTOR AND MOTOR ASSY. 10 POSITION AUTOTUNE MOTOR DRIVEN 26.5 VDC WITH 2 SHAFTS 60 RPM ALSO RELAYS. 4 1/2x6x3 1/2; 5 LB. #596C-1 \$2.95

THERMOSTAT Penn Controls type 810, 22amp 1ph, non inductive, 120/240 vac. adjustable switch. 21" sensor lead. \$5.00

30 RPM MOTOR 30 RPM GEARHEAD MOTOR, 24 VDC; Size: 2 1/2x1 3/8. Shaft: 3/8" x 1/8" dia. Hayden #K43121-P8. NEW, \$6.95

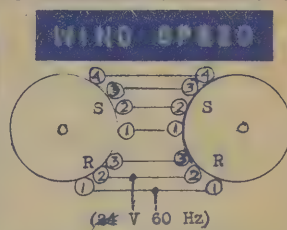
I-82 RADIO COMPASS INDICATOR, 5" 0-360 scale with AY-1 autosyn. Use in 9/79 QST antenna position project. 4 lbs. Used, \$18.95 I-82, reconditioned, \$24.95

MN-42C RADIO COMPASS INDICATOR 5" with dual azimuth dials two AY-1 auto syn. Used in aircraft that had two separate antenna loop systems. Used, \$23.

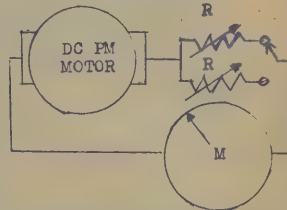
I-91(*) RADIO COMPASS INDICATOR 3" 360 deg. sc. used w/ARN-6 sys. 3 1/2"x3 1/2". (can be used with wind direction system) used \$9.95 NEW \$14.95

I-101 CROSS POINT INDICATOR For combined use from localizer Rec. & Glide Path Rec. used w/ARN-5, RC-103 et 3 1/2x3 1/2x3 1/2; used broken glass, good movements \$2.95/Re-cond \$5

ID-304/APA-70C Cross Point Indicator. Same as I-101 but has on/off power switch. Unused, \$10.95



WIND DIRECTION INDICATOR using the Sperry #R5663642 selsyns on page 17. Design your own wind vane and indicator so that you can check wind direction from inside your house. Selsyns #R5663642, unused, \$2.95 ea



WIND SPEED INDICATOR using a 24 VDC FM motor (p.17) as a generator, a 200 micro-ammeter, and a resistor range scaler so that wind speed may be monitored indoors. We'll supply the FM motor and a 3 1/2" rd. 0-200 scale (FS=200 ua) meter; you design the rest. #WS-MOTOR & METER, \$7.95

AY-1 AUTOSYN MOTOR AS USED IN I-81, I-82 ETC. DIRECT REPLACEMENT. \$5.95

I-81 & I-82 ARMATURES ONLY #3H2716/A1, UNUSED, \$3.95 I-82 GLASS ONLY, \$2.00

MODULAR POWER SUPPLIES



LAMBDA MODULAR POWER SUPPLIES, RUGGED SOLID-STATE, REGULATED 0.03%. REMOVED FROM EQUIPMENT BUT IN EXCELLENT CONDITION. RATINGS ARE BASED ON A 60 HZ VAC INPUT; OUTPUT V-5% AND AMPS @ 40° CENTIGRADE.

LMB-20	105-132	20 V	1.8 amps	\$28.00
LMCC-20	105-132	20 V	5.0 amps	40.00
LMCC-20V	205-265	20 V	5.0 amps	45.00
LMD-20	105-132	20 V	7.4 amps	50.00
LMD-20V	205-265	20 V	7.4 amps	55.00

Package size types (B) 3x5x2x6, (CC) 5x5x9, and (D) 5x7x9. Approx sh wt: 18 lbs.

NORTH ELECTRIC MODULAR POWER SUPPLIES, 105-132 VAC 50-60 Hz input; ratings 40 C.

#N14005A	5 VDC 13 amps	\$50.00
N64005A	5 VDC 28 amps	75.00
N11006A	6 VDC 3.5 amps	22.00
N15010A	10 VDC 16.5 amps	75.00
N16028A	28 VDC 14 amps	80.00
N14003KA	3.7 VDC 14 amps	28.00

RACKMOUNT MODULAR POWER SUPPLIES, Lambda (L) or North Electric (N) mfg. Ratings @ 40 C.

#LMP-A-5	5 VDC 31.5 amps	\$80.00
LMP-A-20	20 VDC 16 amps	85.00
LM-G5-OVMYR	5 VDC 75 A metered	145.00

#N17005A	5 VDC 49 amps	\$100.00
N18005A	5 VDC 82 amps	125.00
N18005A-M	as above with meters	150.00
N19005A	5 VDC 120 amps	160.00

CON-AVIONICS/NJE HS SERIES, 19-21 VDC 15.5 amps from 220 VAC 50-60 Hz input, \$75.00

CON-AVIONICS HS SERIES DUAL POWER SUPPLY, 17-19 VDC 16 A and 110 VDC 225 ma. Used \$60.

DRESSER-BARNES with remote sensing:

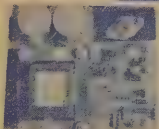
#26859	210-250 VAC in, 20 VDC 3 A out	\$25.
26858	210-250 VAC in, 20 VDC 9 A out	45.

NORTH ELECTRIC #PEC275A, 115/230 VAC 60 Hz input, output 6 VDC 500 ma, -6 VDC 500 ma, -12 VDC 1.6 amp, -28 VDC 4 amps, \$24.00

NORTH ELECTRIC #PEC3496, 115/230 VAC 60 Hz input, output 5 VDC 42 amps, 15 VDC 5 A, -15 VDC 5 A, -12 VDC 18 A, 24 VDC 10 amps, 250 VDC 200 ma. 24x7x16, 150 lbs sh. \$100.00

OREGON D6 DUAL OUTPUT. REGULATED POWER SUPPLY, two 0-600 VDC 200 ma outputs or one 0-600 VDC 400 ma output. Also 0 to -150 VDC 5 ma and 6.3 VDC 10 A outputs. Input: 100-130 VAC 60 Hz. Has 2-4x4 meters and 13 tubes. 10x19x11, 50 lbs. Used-repairable, \$85.00

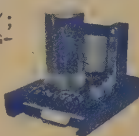
TRANSISTORIZED



TRANSISTORIZED-REGULATED P.S. INPUT: 105-125 VAC 50/60 HZ. MOUNTED ON CIRCUIT BOARD, 4x5, WT: 3 LBS. UNUSED, #CD5N1.5 5 VDC 1.5 A. \$15. #CD12N.85 12 VDC .85 A. \$18.

THUNDER POWER SUPPLY, trans. reg. 3.7 VDC 750 MA f/115 VAC 60 Hz in. W/info to modify to 3-10 V 500 ma approx. 3x5x3, 5 lbs. NEW, \$12.

WANLESS I-OEM IC POWER SUPPLY; OUTPUT: 24 V. @ 2.5 AMPS. REGULATED; AUTOMATIC FOLDBACK CURRENT LIMITING. FLOATING + AND - OUTPUTS. AC INPUT; SOLID-STATE. SIZE: 5x5x6; WT: 10 LBS. NEW, \$27.95



DC TO AC CONVERTER

FU-143C/U ROTARY CONVERTER, rotating armature unit changes 24 VDC 27 amp input to 115 VAC 60 Hz single 0 500 VA output. Metal control box on top of 3600 RPM inverter contains 0-150 VAC variable transformer, 0-150 VAC 2 1/2" round meter, AC receptacle, and DC input terminals. Size: 14x2x14, 77 lbs sh wt. Used, \$89.50



VOLTAGE REGULATED POWER SUPPLIES

Regulated power supplies, used-repairable. Shipped freight or bus collect unless "UPS" noted. ***** LAMBDA MODEL 29M, metered output 100-200 VDC 100 ma and 6.3 VAC 3A. Rackmount; UPS. Used, \$35.00

LAMBDA 28, 200-325 VDC 100 ma and 6.3 VAC 3 amps, rackmount, \$22.00

LAMBDA C-282M, 325-525 VDC 200 ma and 6.3 VAC 10 amps. Rackmount with meters, \$65.00



NORTH ELECTRIC 48-52 VDC 6 amp output from 115/230 VAC 60 Hz in. Solid-state with 2 1/2" GE DW-91 meters for 0-80 VDC and 0-10 amps, AC circuit breaker, and Equalize-Flow switch. 12x19x8 1/2, rackmt. #PEC2627B, \$55. OTHERS AVAILABLE. WRITE YOUR NEEDS

VARNEY AUTO-RACE PACK

2/14 VDC 600 MA outputs makes nice small bench supply by adding regulator, etc. 5x7 AC cord; 5x3x2 1/2, 3 lbs. \$2.95



NJE-S-300-C, 200-500 VDC 300 ma and 6.3 VAC at 5 amps. Rackmount with meters, \$75.00

BETA ELECTRIC HV SUPPLY, 0-30 KVDC 2 ma; metered, \$95.00

12/24 VDC 22/11 A



CFP-2 POWER SUPPLY, output 12 VDC 22 amps or 24 VDC 11 amps. With mains and load control and output mode indicator lights. Input: 90-130 VAC 60 Hz. Size: 11x18x10 1/2, 90 lb sh wt. Used, \$65.00

DYNAMOTORS

TYPE	USED	RENEW	TYPE	USED	RENEW
DM-25	2.95	4.95	D-401		6.95
DM-26	6.95		D-402		6.95
DM-32	2.95	4.95	D-401(SPEC)		8.95
DM-32(12 V)	4.95	DY-9		9.95	
DM-33 (WRITE AV)		DY-10		12.95	
DM-34	2.95	4.95	DY-17		12.95
DM-35		20.00	DY-21		8.95
DM-36	2.95	6.95	DY-22		9.95
DM-37		13.00			
DM-40	5.95		DA-6A		8.95
DM-41	5.95		DA-1F		11.00
DM-42		15.00	DA-14		8.95
DM-43		15.00			
DM-53	4.95		BD-77		19.95
DM-53	5.95	(12V)	BD-83		8.95
DM-64	7.95				

ADVISE US OF YOUR REQUIREMENTS OR WRITE FOR SPECS. PE-86 5.95 PE-98 8.95 (COMP) PE-98 4.95 (DYN) PE-94 9.95

CARTER MA-2503; INPUT 6 VDC 6.3 A. OUTPUT 250 VDC 30 MA. SIZE 3x5x3; WT. 6 LBS. USED \$4.95

41S14 F/COLLINS 618; INPUT 27.5VDC 22 AMPS. OUTPUT 650 VDC 550 MA. & 250 VDC @ 150 MA. SIZE 9x14 N \$15

DYNAMOTOR DM-35 INPUT 12 VDC @ 18.7 AMP. OUTPUT 625 VDC @ 225 MA SIZE: 4x4x8 1/2; 13 LBS. UNUSED \$20

MOBILE SUPPLY

AVA-126 VIBRATOR POWER SUPPLY, operates from 6, 12, or 24 VDC depending on vibrator used. Output: 300 V. 100 MADC. Includes 6 VDC vibrator. 7x7x7 1/2; 12 lbs. Unused, \$5.



INVERTERS



EICOR INVERTER X3516-1 INPUT: 27.5 VDC 165 AMPS. OUTPUT: 115 VOLT 400 CYCLE 2500 V.A 1 PHASE SIZE: 16x11x8; WT: 75 LBS. EXCELLENT COND. \$49.50

PU-7 INVERTER

INPUT: 28 VDC 160 AMPS. OUTPUT: 115 VAC 400 CYCLE 21.6 AMP. 1 PHASE SIZE 19x8x10 1/2; 100 LBS. PRICE: UNUSED \$49.50

5AS13N3 INVERTER

INPUT: 26 VDC 100 AMPS. OUTPUT: 115 VAC 400 CYCLE 1500 VA 1 PHASE SIZE: 14x9x6; WT: 50 LBS. PRICE: UNUSED \$45.00

MG-149H INVERTER

INPUT: 24 VDC 36 A. 750 VA. OUTPUT: 115 V. 400 CYCLE 1 PHASE 500 VA & 26 V. 400 CYCLE 1 PHASE 250 VA. SIZE: 12x8x8; WT: 25 LBS. PRICE: GOV. RECOND. \$49.50

INVERTER INPUT 27.5VDC 60A OUTPUT 115 V 400 CY 750 W 3 PHASE 26 V 400 CY 50 W 1 PHASE SIZE 11x10x6; WT: 40 LBS. LELAND#10285 USED \$34.95

EICOR 3012-08 100 VA INVERTER Input: 24/30 VDC 11 amps. Output: 115 VAC 400 Hz 1-Ph, 100 VA. Size: 9x6x4 1/2, 14 lbs sh wt. Used, \$16.95

FU-235/U AC to DC CONVERTER Input 115 VAC 50/60 Hz 1 0 29/31 amps, 3 HP 2800/3400 RPM. Output: 28.5 VDC 42/52 amps 1.2/1.5 KW. With meter fan. 250 lbs sh. Used \$185.

FU-175/U AC FREQ. CONVERTER Input: 220/440 VAC 60 Hz 3 0 Output: 120 VAC 400 Hz 3 0 18/26 amps. 225 lbs, \$275.



JACK & HEINTZ

F-132 INVERTER INPUT 27.5 VDC @ 100 AMPS. OUTPUT 115 V. 400 CYCLE 1500 VA 3 PHASE SIZE: 16 x 11 x 7; WT: 55 LBS PRICE: USED \$75.00

F-147 INVERTER INPUT 27.5 VDC @ 180 AMPS. OUTPUT 115 V. 400 CYCLE 2500 VA 1 PHASE SIZE 18x11x7; WT: 45 lbs PRICE: USED \$75.00



JACK & HEINTZ INVERTER #AN-3532-2 INPUT 27.5 VDC @ 20 AMPS. OUTPUT 115 VOLT 400 CYCLE, 3 PHASE, 250VA VOLTAGE REGULATED. SIZE: 12x7x4 1/2; WT: 20 LBS. FED#6125-617-0967 Used, \$18.95

1000 VDC 350 MA

BD-77 DYNAMOTOR; INPUT: 14 VDC 39 AMPS. OUTPUT: 1000 VDC 350 MA. SIZE: 11x10x6 1/2 SHPG. WT: 40 LBS. \$19.95

PE-73 DYNAMOTOR; SAME AS BD-77, BUT WITH 28 VDC 19 AMP INPUT, RECOND. \$30.00

DM-42 DYNAMOTOR; INPUT: 12 VDC 39 AMPS. OUTPUT: 1030 AND 515 VDC @ 215 MA. 7x7x11; 42 LB. RECOND. \$15.

VIBRATOR POWER SUPPLY, USED WITH AN/PIP-1A PUBLIC ADDRESS SYSTEM. INPUT: 5.2 to 6.2 DC VOLTS; OUTPUT: 300 VDC 60MA, 50 VAC. SIZE: 4x3x2 1/2 3 LBS #H17D-11077 NEW \$5.95

PE-104 POWER CONVERTER. 6 OR 12 VDC INPUT, OUTPUT 90 VDC, 1 1/2 VDC AND -45 VDC. SIZE: 4x4x7; WT: 10 LBS. NEW \$3.95 w/EXTRA VIB. \$4.95

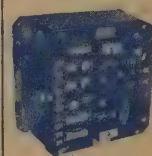
PP-855/PRC-14 VIBRATOR POWER SUPPLY WITH FILTER NETWORK. 6 VOLTS DC INPUT, 5.35 AMP OUTPUT 135 VDC @ 155 MA. SIZE: 7x2x2 1/2; WT: 3 LBS. NEW \$4.95

DUAL SIX VOLT D.C VIBRATOR POWER SUPPLY. OUTPUT 540 VDC @ 150 MA. CAN BE TAPPED AT 270 VDC. WITH 2/0Z4 TUBES. SIZE: 9x6x5; WT: 10 LBS. STK#3H6694-5 NEW \$7.95

ACE HIGH VOLTAGE POWER SUPPLY; OUTPUT: 3000 VDC 50 UA APPROX. INPUT: 115 V. 60 HZ. Uses TWO 1B3 RECTIFIER TUBES. WITH MOUNTING FLANGE. SIZE: 6x7x2; SHPG. WT: 8 LBS. UNUSED. #ACE-HV3000, \$5.95 SPECIAL!! 2 FOR \$10.00

HIGH VOLTAGE

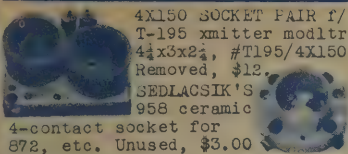
BELL SYSTEM POWER SUPPLY 105-130 VOLT 60 HZ. OUTPUT 18VDC 6 AMP 20VDC 1.0 " 9VAC 2.8 AMP & 18VAC 1.4 AMP. FUSED & AC CORD. SIZE: 8x4x8 1/2; WT: 22LB #J86731A USED \$6.75



PP-18 CONVERTER 12 VDC 4 AMP TO 24 VDC 1.5 AMP. PARALLEL FOR MORE CURRENT. WITH VIBRATOR ALSO PLUG SIZE: 6x5x8 1/2; WT: 10 LBS. NEW \$4.95

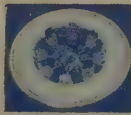


TUBE SOCKETS



4X150 SOCKET PAIR f/
T-195 xmitter modltr
4x3x2 1/2, #T195/4X150
Removed, \$12.
SEDLAGSIK'S
958 ceramic
4-contact socket for
872, etc. Unused, \$3.00

EIMAC SK610/JOHNSON
124-110 socket for
4X150, used, \$7.50
With chimney SK606/
124-111, \$9.00
Chimney only, \$3.00



OCTAL MOULDED 2 HOLE MTG. \$.25
" " RING " .30
" CERAMIC (SPECIFY) .50
LOCTAL MOULDED 2 HOLE .35
CERAMIC TYPES 4, 5, 6 & 7
CONTACTS STANDARD SIZES .50
MOULDED TYPES 4, 5, 6 & 7
CONTACTS, STANDARD SIZES .35
MINIATURE MOULDED 7 & 9 .30
" CERAMIC 7 & 9 .40
SHIELDS FOR MINIATURE TUBE .25

GIANT 4 CONTACT CERAMIC FOR
11/VT-4C, 872 ETC.
GE #ML7461594-G1 USED .49
GIANT 4 CONTACT CERAMIC FOR
715, 718 ETC. JOHNSON 234 TYPE
STK. #27684.98 UNUSED \$1.25
CERAMIC FOR 829 ETC. .25
" " 832 ETC. .25
" " 872 W/SHOULDER .00
" " 811/866 " .00
JOHNSON 214 F/750TL, 1500T 2.00
" 244 F/8008 ETC. 2.00

JOHNSON 0105-047 SOCKET for
829B and 5894 tubes, NEW \$2.50
4X150 SCREEN GRID BY-PASS CAPAC-
ITANCE RING, 2000 pf; 2-3/8" sq.
mtg. Johnson 124-0113-021, \$3.

TERMINAL BLOCKS--TELEPHONE TYPE
844-1955 6 rows 20
terminals ea. row,
total 120. Size 5 1/2
x3-3/8 x 2-3/4
unused \$5.00



TT4x10K4A 4 rows 10
terminals ea total 40 3 1/2 x 3 x 2 \$3
32770, 807 4 rows 20 terminals
total 80. Size 7 x 3 x 3 \$4.25
4E9865 40 terminals, flat mount-
ing 8 x 3 1/2 x 2 \$3.00

879-9661 3 rows of 30 terminals
one side wire wrap.
size 8-7/8 x 2-3/4 x 1-3/4 \$3.50
AIRCRAFT STYLE TERMINAL STRIPS
AN-3436-2-6 6 term. 4x7/8x11/16
6-32 studs on 19/32 centers .55
AN-3436-2-9 9 term 6x7/8x11/16
6-32 studs on 19/32 centers .75
AN-3436-4-10/10 term. 7-7/8x1x1
10-32 studs on 3/4 centers .80
AN-3436-4-16/10 term. 12x1x1
10-32 studs on 3/4 centers \$1.25

5BK-22. Consists of 3 AN-3436
terminal strips 13 term. each &
2 AN-3436 9 term. ea. The 10/32
studs extend thru. the phenolic
board and have solder terminals.
Board size 5 1/2 x 8 1/2 x 2; 4 lbs \$2.75

TERMINAL STRIPS WITH
CLIPPED WIRE
BARRIER TERM. STRIPS AVAILABLE,
3/4, 1 & 1 1/2" WIDTHS, 2 TO 16 TERM
INALS. TWO TERMINAL 20¢ EA. EACH
ADDITIONAL TERMINAL 3¢. WE WILL
SHIP CLOSEST TO YOUR ORDER.

HEAVY DUTY TER-
MINAL STRIPS.
APPROX. 2" W x 1 1/2 D.
6 TERM. 4x1 1/2 \$1.50 12 TERM. WITH
8 " 6 " 2.00 SCREW DOWN
12 " 8 " 3.00 HOLDER TYPE \$4

TERMINAL STRIPS WITH
CLIPPED WIRE
BARRIER TERM. STRIPS AVAILABLE,
3/4, 1 & 1 1/2" WIDTHS, 2 TO 16 TERM
INALS. TWO TERMINAL 20¢ EA. EACH
ADDITIONAL TERMINAL 3¢. WE WILL
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APPROX. 2" W x 1 1/2 D.
6 TERM. 4x1 1/2 \$1.50 12 TERM. WITH
8 " 6 " 2.00 SCREW DOWN
12 " 8 " 3.00 HOLDER TYPE \$4

Capacitors



MFD VDC SIZE PRICE

24000	3	4x3	\$ 1.00
2000	15	1 1/2 x 4 1/2	.75
1100	25	1 1/2 x 4	.75
500	200	2x4	1.25
4	400	2 1/2 x 4 1/2	.75
2	600	2 1/2 x 2 1/2	.50
3	600	1 1/2 x 3 1/2	.55
4	600	3 1/2 x 2 1/2	.65
6	600	4 1/2 x 2 1/2	.75
7	600	4x4x2	.80
8	600	5x3 1/2 x 1 1/2	1.00

1	1000	2 1/2 x 1 1/2	.50
1.5	1000	4x1 1/2	.75
2	1000	4x1 1/2	.85
4	1000	4 1/2 x 2 1/2	1.00
8	1000	4 1/2 x 2 1/2	1.50
4	1500	4 1/2 x 3 1/2	2.50
15	1000	5 1/2 x 3 1/2	1.10
15	1000	5 1/2 x 3 1/2	1.50
2x8 1/2	1000	5 1/2 x 4 1/2	3.00
2	1500	4x2 1/2	1.00
8	1500	6x3 1/2	3.75
12	1500	4x4x4	5.95
4	1500	3 1/2 x 3 1/2	1.50
4	2000	2x3x1	1.00
4	2000	5x3 1/2	4.50
1	2500	4 1/2 x 3 1/2	1.25
1	3000	4 1/2 x 3 1/2	1.50
1	5000	8x4x3 1/2	4.00

OTHER VALUES--WRITE--SPECIFY

JOHNSON 0105-047 SOCKET for
829B and 5894 tubes, NEW \$2.50
4X150 SCREEN GRID BY-PASS CAPAC-
ITANCE RING, 2000 pf; 2-3/8" sq.
mtg. Johnson 124-0113-021, \$3.

TERMINAL BLOCKS--TELEPHONE TYPE
844-1955 6 rows 20
terminals ea. row,
total 120. Size 5 1/2
x3-3/8 x 2-3/4
unused \$5.00

TT4x10K4A 4 rows 10
terminals ea total 40 3 1/2 x 3 x 2 \$3
32770, 807 4 rows 20 terminals
total 80. Size 7 x 3 x 3 \$4.25
4E9865 40 terminals, flat mount-
ing 8 x 3 1/2 x 2 \$3.00

879-9661 3 rows of 30 terminals
one side wire wrap.
size 8-7/8 x 2-3/4 x 1-3/4 \$3.50
AIRCRAFT STYLE TERMINAL STRIPS
AN-3436-2-6 6 term. 4x7/8x11/16
6-32 studs on 19/32 centers .55
AN-3436-2-9 9 term 6x7/8x11/16
6-32 studs on 19/32 centers .75
AN-3436-4-10/10 term. 7-7/8x1x1
10-32 studs on 3/4 centers .80
AN-3436-4-16/10 term. 12x1x1
10-32 studs on 3/4 centers \$1.25

5BK-22. Consists of 3 AN-3436
terminal strips 13 term. each &
2 AN-3436 9 term. ea. The 10/32
studs extend thru. the phenolic
board and have solder terminals.
Board size 5 1/2 x 8 1/2 x 2; 4 lbs \$2.75

TERMINAL STRIPS WITH
CLIPPED WIRE
BARRIER TERM. STRIPS AVAILABLE,
3/4, 1 & 1 1/2" WIDTHS, 2 TO 16 TERM
INALS. TWO TERMINAL 20¢ EA. EACH
ADDITIONAL TERMINAL 3¢. WE WILL
SHIP CLOSEST TO YOUR ORDER.

HEAVY DUTY TER-
MINAL STRIPS.
APPROX. 2" W x 1 1/2 D.
6 TERM. 4x1 1/2 \$1.50 12 TERM. WITH
8 " 6 " 2.00 SCREW DOWN
12 " 8 " 3.00 HOLDER TYPE \$4

TERMINAL STRIPS WITH
CLIPPED WIRE
BARRIER TERM. STRIPS AVAILABLE,
3/4, 1 & 1 1/2" WIDTHS, 2 TO 16 TERM
INALS. TWO TERMINAL 20¢ EA. EACH
ADDITIONAL TERMINAL 3¢. WE WILL
SHIP CLOSEST TO YOUR ORDER.

HEAVY DUTY TER-
MINAL STRIPS.
APPROX. 2" W x 1 1/2 D.
6 TERM. 4x1 1/2 \$1.50 12 TERM. WITH
8 " 6 " 2.00 SCREW DOWN
12 " 8 " 3.00 HOLDER TYPE \$4

TERMINAL STRIPS WITH
CLIPPED WIRE
BARRIER TERM. STRIPS AVAILABLE,
3/4, 1 & 1 1/2" WIDTHS, 2 TO 16 TERM
INALS. TWO TERMINAL 20¢ EA. EACH
ADDITIONAL TERMINAL 3¢. WE WILL
SHIP CLOSEST TO YOUR ORDER.

HEAVY DUTY TER-
MINAL STRIPS.
APPROX. 2" W x 1 1/2 D.
6 TERM. 4x1 1/2 \$1.50 12 TERM. WITH
8 " 6 " 2.00 SCREW DOWN
12 " 8 " 3.00 HOLDER TYPE \$4

ROTARY SWITCHES

Gold flash ceramic switch
2 deck 12-position contacts
1 1/2 dia. 1-3/4" dp.
889-5718 \$4.50

ROTARY SWITCH, 2-DECK. ONE
4PDT MOMENTARY BOTH SIZES;
OTHER 2PDT MOM. B.S. AND
1PST MOM. 1-3/8" DIA.; CER-
AMIC. #329825-20, \$1.00
MINI-ROTARY, 1-pole 3-pos.
shorting. 1" dia; 1/8" dia
shaft. No hardware.
#LED-M13-S, unused, 75¢

THUMB-WHEEL WAFER
SWITCH, 18 POSIT-
ION, NUMBERED, 2
HOLE MTG. HORIZON-
TAL OR VERTICAL,
2 1/2 x 3/8" # 960 NEW \$1.25
SAME AS ABOVE 10 POSITION
2 1/2 x 3/8" #980 NEW \$.75

25 POSITION, 3 DECK SILVER
PLATED CONTACTS, 2 1/2 x 2 1/2, 1/4"
SHFT. M-548-6083 NEW \$5.00

ROTARY SWITCH 10 POLE, 4
POS. 5 DECK. 3 1/2 x 1 1/2.
RW-39/31.9 RE-MOVED \$1.00

ANTENNA COUPLING
SWITCH, 6-posi-
tion, 1-pole.
2-3/8" dia. Cer-
amic, bar knob.
Removed, \$3.95

Rotary switch one deck 17-
position, one tie deck. 1 1/2"
x1. silver pl. SW-249 \$2

GE CERAMIC POWER SWITCH,
two deck; 4 break/3 make.
4"x2" dia. #G1/407, \$1.95

DAVEN SWITCH
18-POSITION, CON-
TINUOUS TURN, 2"
dia. Zinc-silver
contacts. 2 1/2" dia
shaft. #329825-92.2
Unused, \$3.00

Miniature tap switch 1 pole
7-position rated 1 amp.
1 1/2". Grayhill 7 pos. \$2.00

Power on/off sw. rated 3a.
125v. ac/dc w/2-gang pot.
one meg. & 600 ohm concent-
ric. 1 1/2 x 1 1/2 VC-0058 \$1.50

Ceramic 5 pole 3-position,
2 deck rotary 2 1/2 x 1 1/2. used
Re-moved S-602/13 \$1.50

Ceramic 1 pole 12-position
rotary sw. 1 1/2" dia. w/stop.
re-moved S-601/13 \$2.00

ROTARY ACTUATOR
will operate
12-28 vdc
12 position
30 degrees
each.

2 1/2" shaft for mtg. & rods
for wafers, no wafers with
unit. 2 1/2 x 1 1/2; 1 lb.
MX167869G1 or equivl. \$2.00

ANTENNA CIRCUIT SWITCH
100 WATT
3/4 MAKE
3/4 BREAK
SIZE:
4 1/2 x 2 1/2 IN.
#329626
\$2.50

ROTARY SWITCH, BAKELITE WA-
FER; 2 DECK, 5 POSITION, 1
POLE MOMENTARY 5 POS. 2x2
x2 SW-145 39¢ EA 3/\$1.00

CERAMIC ROTARY SWITCH, TWO
DECK; 1-POLE 4-POS./DECK.
1 1/2" DIA. ACE#2-1P4P, \$1.50

Parts Kits

DISC CERAMIC
CONDENSERS
33 ASST.
15MMP.-61MMP.
Good Value
\$1.25 a KIT

WIRE ASST.
Six 25 FT.
COILS; IN-
SULATED.
TINNED-COP-
PER, \$1.50

MICA
CONDENSERS
25 ASST.
10 MMFD To
6800 MMFD.
\$1.00 a KIT

TRIMMER
CONDENSERS
25 ASST.
3 to 280MMF
WIDE RANGE
\$1.00 KIT.

PRECISION
RESISTORS
25 asst. on
boards. Car-
bon or wire
wound 1%
\$1.50/kit

RESISTORS
WIREWOUND
25 ASST.
5 to 20
Watt Wide
range of values some
tapped. 25 ASST \$1.00

VOLUME
CONTROLS
10 ASST.
Popular
Values
\$1.00

TUBE
SOCKETS
20 ASST.
Octals
Loctals
Minatures
Wafers etc
\$1.00

PILOT
LIGHT
SOCKETS
25 ASST
Bayonet
Screw etc.
\$1.00

TERMINAL
STRIPS, Tie lug
strips, ASST
types. 25 for
\$1.00

TERMINAL
LUGS, ring
spade, crimp
types. Wide
variety of
sizes for all uses in
clear plastic box.
APPROX. 200 PCS. \$1.50

ROTARY WAFER SWITCH
six different types
Multi-decks and
contacts \$1.25

BATHUB CONDENSERS
KIT. 1 to 1 mfd up
to 600 VDC. Vari-
ous types 10/\$1.

HARDWARE ASSORTMENT
FOR COMPUTER & RADIO
ELECTRONIC EQUIPMENT
such screws, washers
terminals, rivets,
nuts, other findings
unused 2 lbs \$2

COMPUTER GRADE

COMPUTER GRADE CAPACITORS
OUT OF EQUIPMENT. GUARANTEED
MFD VDC SIZE PRICE
900 165 2x4 rd. \$1.00
100 250 1 1/2 x 2 1/2 .25
1400 99 2x4 1.00
3500 52.5 2x4 .25
12000 11 2x4 .25
ABOVE, IN LOTS OF 6, 20% OFF.

MICA CAPAC- MFD WVDC CM
ITORS used .01 600 55
in RF power .0062 1200 55
circuits. .022 1200 60
JAN CM-size .00047 2500 55
less than .005 2500 55
1 1/2 x 1-3/8. .006 2500 55
\$1.25; 5/\$5. .01 1200 45

ELECTROLYTIC (E); PAPER (P)
450 uf 25 VDC (E), 65¢ 4/\$2
1000 uf 25 V (E), 85¢ 4/\$3
40/40 uf 150 V (P), 2/\$1.
80/40/20 uf 150 V (P), 2/\$1
150 uf 200 V (P), 2/\$1.00
100/40 uf 350/300 V (E) \$1.

1 KVDC DISCS: 7/\$1. 100/\$5.
UF: .0001 .0002 .001 .002
3 KVDC DISCS: 4/\$1. 100/\$12
UF: .00009 .00025

TANTALUMS, 35 VDC PCB-type:
4.7 or 6.8 uf, 3/\$1. 10/\$25
40 uf 25 V 2x3/8 tanta 2/\$1
47 uf 20 V 2 1/2 x 1 tanta., 2/\$1

POLYSTYRENES, 4/\$1. 10/\$15.
.01 uf 200 V; .009 uf 500 V
0.022 uf 100 V mylar, 4/\$1.
0.33 uf 500 V mylar, 5/\$2.
1.5 pf ceram. feed 1/2", 6/\$1

RESISTORS

3/5 W, 20¢ EA; 10/25 W, 30¢
0.33 Ohm 11 watt WW Dale
0.5 " 10 " " "
2.0 " 10 " " "
2.43 " 3 " " "
10 " 8 " " " 30¢
24 " 5 " " "
70 " 5 " " "
100 " 5 " " "

BLEEDER RESISTORS
700 OHMS 10 WATT, 5%
3900 " 25 " " FERRULE
1000 " 25 " " WW
15K " 10 " " "
15K " 3 " " "
100K " 3 " " CERAMIC

1.6 OHM 220 W, 5%, \$1.50
0.05 " 105 W, 5%, 4x1, \$1.

PRECISION RESISTORS
5K OHMS 1/2 WATT, 0.1%, 60¢
7.5K OHMS, 0.333 WATT,
0.25%, WIREWOUND, 40¢ EA.
28K OHMS 1/2 WATT, 0.05%,
WIREWOUND, 40¢ EA.
55 MEGOHMS, 10 WATT, 1%,
DALE WIREWOUND, \$1.00 EA.

DALE PRECISION POWER RES.
100 WATT (3 1/2 x 3 1/2) IN VAL-
UES: 45a (3%), 120a (1%),
450a (1%), 1400a (1%), \$2.50
250 WATT (4 1/2 x 3 1/2) IN VALUES
600a (1%), \$3.00

125 WATT 2.9 ohm 1%, \$3.25
250 WATT 1.0 ohm 5%, \$4.00

260 ohms 5 watt 1%, 2/\$1.
4K ohms 3 watt, 1% 2/\$1.00
10K ohms 150W, 6x1 1/2, \$1.75
75 ohms 50 W, 5%, 4x5/8 \$1.
SLIDER VARIABLE WW RESISTOR
15 ohm 35 watt, 10%, \$1.00
10 ohm 75 watt Ohmite \$1.50

MINIMUM ORDER \$5.00

HIGH VOLTAGE TRANSFORMERS

PRI	HZ	SECONDARY	SIZE	WT	STOCK #	PRICE
117v	60Hz	375v 40MA 2/6.3	.6A 2x4x2	4LB	#24003	\$3.95
115v	60Hz	470vct 40MA	4x2x2x2	8lb	682-3023	\$5.95
115	60	350 CT/26 MA 5/3.0 A	2x3x2x3	4	647-6762	3.95
115v	60Hz	885/54.5 600MA	6x6x6x6	33 lbs	#4327	\$12.95
115v	60Hz	810v 220MA 6.3vct 4a/5v 3a	4x3x4x4	6 lbs	#3252	\$ 9.95
115	60	110v100MA, 50VCT 5A, 25VCT, .15A. 14VCT 2.5A.	4x3x3x3	10	KAL#2334	6.95
115v	60Hz	330-350-370 @ 2.5 amp	5x6x6x7	33 lbs	#6524	\$15.00
115	60	820VCT, 120MA. 5.0v 2A.	4x4x4x4	10	0#7629831	6.95
120	60	750VCT, 12MA, 6.3 v2A, 2/5v2A, 2.5v2A.	3x3x4	7	229613.28	4.95
115v/60Hz		405V TAPS/5v2A/400V10MA/ 350v70MA. 6.3/4A/6.3v.6A	4x5x4x4	12LB	#3C1538	\$4.95
115-	60	325 TAPPED 300 275, 250 @ 70 MA	2x3x3x2	3	821-4954	3.95
120	60	6.4/1A 3/6.4V.3A	2x3x2	1	645-0612	2.25
115	60	27v4.3A/2.6v3A. 4.1v5.1v6.4v3A.	5x5x5	15	D161915	9.95
115/60Hz		360V TAPS/7/332/346V.125MA 6.6VCT 4.2A	4x5x3x4	12LBS.	#7489394	\$3.95
105-	60	6.3/8A/3A/15A 400CT@100MA	4x6x4	15	827-2133	9.95
115/230 V		800 VCT 120 MA; 50-60 Hz 6.4 V 4.5 A; 5 V 2 A; 6.3 V 0.6 A	5x5x4x4	20	KS-9779	6.95
115/60Hz		700VCT .050A 5V3A	4x3x3x3; 9	LBS#TFIA03Y	\$3.95	
115 V 60 Hz		650 VCT 20 MA; 6.3 VCT 2.5 A.	3x2x2x4	10	#8734,	\$2.95
115	60	6760 V 60 ma (25 KV test, insulators 3 1/2" high)	11x8x6	35	#1000A-35B	\$25.
115v	60Hz	110v @ 30ma 6.3 @ 3.2a.	3x2x2x2	31 lbs	#5569	\$3.95
115	60	302 @ 100MA 287 @ 50MA	3x3x2x2	5	899-4680	\$3.95
115/230		660CT@60MA 50/60 CY 6.3 @ 5 A (FOR TG-34 KEVER)	RD3x4x4	8	229608-110	5.95
115	60	150v @ 500 MA. 6.3v @ 3A, 6.3v @ 1A.	3x4x4x4	11	T127J387	5.95
115	60	510VCT @ 100 MA.	3x4x3x3	7	229612.21	3.95

LOW VOLTAGE TRANSFORMERS

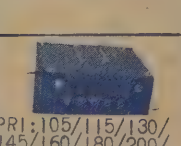
PRI	HZ	SECONDARY	SIZE	WT	STOCK #	PRICE	
115v	60HZ	6v/1A 45vct/.5A	3x2x2x2	2Lb	#1461312	\$2.95	
115v	60	5.7 v. @ 21.8A	4x4x4x2	11Lb	243-5754	\$9.95	
115v	60Hz	6.3v@15A/two	5x4x3x3	11 lbs	#4094	\$20.00	
6.3v@6.6/two-5@6A./5@2/5@3							
120v	60 HZ.	12.8vct 6A.	5x4x3x3	14Lbs	583-1045	\$6.95	
117v	60Hz	55v @ 60ma	3x2x2x2	4lb	5950-8419	\$2.95	
117v	60Hz	5v@6A(1500rms)	4x3x3x3	9 "	ORD762812	\$2.50	
115v	60Hz	6.5vct@24A/	6x5x4x3	20 "	647-6219	\$9.95	
6.5vct@1A/two 6.5vct@6A							
220v	60Hz	2.5vct@	4x3x3x3	9	THER-8708	\$3.95	
		5vct @ 3a					
115v	60 HZ	6.3vct 1A.	2x1x1x1	8oz.	#118667	\$2.95	
115	60	two 30 CT/15MA	2x2x2x3	5	648-4774	4.95	
		6.3/4.0 A					
115	60	6 V 15 A/1.5 V	200 ma	3x3x3x3	8	M-1018A	\$4.
115	50-400	34/2.7 A	4x4x4x4	14	853-6026	\$4.50	
		3.0/250 MA					
115	50/60	51 @ 1.5 A	RD.4x2x2	6	869-2849	\$4.95	
		5 @ 1.0 A					
120v	6	3/6.3vct .6A	2x3x2x2	1Lb	TFIA01YY	\$2.95	
125		8.5 TAP 3.5v .1A					
117	60	31v@3.27A, 15.5V	3x4x4x4	10	5950-9195	\$3.95	
		.51A, 23vct@21A.					
		24v @ .85 A.					
215 V	60 HZ	2.5 VCT 10 A.;	4x3x3x3	12,	#2253	\$2.95	



PRI: 115 V. 60HZ
SEC: 1500V 300MA
TAPPED 400 V
4x3x3x4; 16LBS.
#J-6035, \$12.95



PRI: 115 V 60CYC
SEC: 850CT 280MA
280CT 10MA
5 V 5 A.
6.3 V 600MA
36 V 5 A.
5x5x5x7; 28 LBS.
#5950-646-3943
\$6.95



PRI: 105/115/130/
145/160/180/200/
225/250 V 25-60CYC
SEC: 780VCT@65MA
2.5 V @ 2 AMP
6.3 V @ 4 " 51x5x5x4; 13 LBS.
229619-4 \$2.95

PRI: 115 VAC
50-70 Hz.
Sec: 750 VCT
225 MA.
12.6 VCT 6 A
5 V 3 A
6.3 V .6 A
6x4x5; 20 lbs sh
#7554, \$14.95

PRI: 115V50/60Hz
Sec: 1860Vct
130 MA. 1500 W
5x4x4x4; 18 LB
SMB202-909 \$15

PRI: 115V50/60Hz
Sec: 2340 vct @
245 MA. 3940 W
350 V. @ .016A.
7x5x6x4; 35 lbs.
SMB202-907 \$20

PRI: 115 V 60 Hz
Sec: 1120 VCT 400
MA, 950 VCT 150
MA. 6x5x5x8,
38 lbs. #TRC-29/
SMB-20291 \$16.95

PRI: 115 V 60 Hz
Sec: 900 VCT
88.4 MA
5x3x4x4; 12 lbs.
#746-7187 \$9.95

PRI: 115 V 60 Hz
Sec: 4500 V 5 ma
5000 WV
5x3x4x4; 12 lbs.
#TFA02YY \$12.95

ISOLATION

SOLA ISOLATION
PRI: 118 SEC: 118
60HZ 50 WATTS
CONSTANT VOLTAGE
3x5x4; 10 LBS.
SOLA No. 21-197
UNUSED \$14.95

SOLA ISOLATION
PRI: 95-130 v 60
SEC: 118 100 WATT
CONSTANT VOLTAGE
5x8x3x3; 15 LBS.
SOLA No. 22-397
USED \$20.00

10V-75 A

PRI: 220 VAC 60HZ.
Sec: 10 VCT 75A.
Requires 6 mfd
capacitor 660 AC
6x4x4x5; 24 lbs.
#NB6114781 \$18.95

PRI: 115V
60 CYC
SEC: 2 V.
30 AMP
3x3x4; 4LB
5950-829-8618 \$2.95

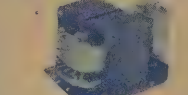
FOR RA-62 RECTIF.
USED TO POWER
SCR-522 REC-TRANS
PRI: 110/220 VOLT
40-60 CYCLE
SEC: DC VOLTAGES
300 @ 230 MA
BIAS 150 @ 8 "
13.4 @ 3.9 A.
5x5x8; 30 LBS.
#3340-296-862-192
PRICE: \$7.95

FAIR 510 TRANSFORMER

PRI: 115 VOLT 60 HZ.
SEC: 500 VCT. 80 MA.
24 V. 2 A.
5 W. 3 A.
2x3x2x2; WT: 3 LB.

ART-13 MODULATION

ART-13 MODULATION
TRANSFORMER 50 WATT
300-4000 RESPONSE
2 DB PRI. TO SEC.
1; 1/.695. PRI. TO
SEC. 2; 1/.254. Z
PRI. 15000 Z SEC. 1
7300. TEST 4000 V.
4x3x2x2; 4 LBS.
COLLINS#677N252
RE-MOVED \$3.95

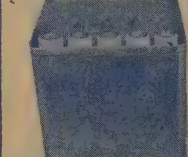


PRI: 115 V. 50/60
SEC: 3/17 V. 5 AMP
28 V. 10 "
WITH CAPACITOR
REQ. VENTILATION
4x5x3x7; 20 LBS.
GE- 9T91A4074
\$14.95

PRI: 115 V. 50/60
SEC: 100 VCT 1.5A
20 " 3.0A
2/20 " 3.0A
35 V. 5.0A
WITH CAPACITOR
GE-9T91A4069
REQ. VENTILATION
5x6x6x7; 23 LBS.
\$12.95

MODULATION TRANSFORMER

WATTS: 40
RES. IMPED.
PRI: 115 OHM 5700
SEC: 72 " 2280
FOR 2/807 TUBES
3x2x3x3 WT: 3LBS
#22K9634.21
PRICE: \$3.95



PRI: 115 VAC 60 Hz
Sec: 460 VCT 50 ma
6.3 VCT 2 amps
3x2x2x2 4 lb #7514 \$3.
PRI: 115 VAC 60 Hz
Sec: 900 VCT 160 ma
4x5x3x3 8 lb #74618 \$4

100 WATT MODULATION TRANSFORMER

RESPONSE 200 to 5000
PRI: 7000 SEC: 7000
F/BO-191/375 TRANS.
Size 3x4x5 WT. 5 1/2 lbs.
#26191/T1
Price \$2.95

100 WATT MODULATION TRANSFORMER

PRI: 7500 OHM CT
30,000 "H
SEC: 3000 OHM
35W 200 MADC
600 CT. 1 W
RMS TEST
1, 2, 3 500 V.
OTHERS 2500 V.
200-3500 CPS.
4x4x4x4; 11LBS
#5950-646-3092
PRICE: \$4.95

TRANSFORMERS LISTED BELOW HAVE 115 VOLT 60 HZ PRIMARIES UNLESS OTHERWISE STATED

Sec: 18 V 5.4 A, 28 V
1 A, 6 V, 900 ma, 25 V
500 MA, 35-10-0-10-35
V 5 A. 4x4x4x4, 16 lb
#401-21 unused \$8.95

SEC: 40V 2.5A/6.3V 1.5A
3x3x3x3; 10 LBS.
#43278 \$4.95

SEC: 125 V. 500 MA.
6.4 V. 3 A
SIZE: 3x3x3x3; 5 LBS.
URC#46070-16 \$4.95

SEC: 30 vct 560 MA 40
vct 450 MA. 2x2x2x2; 2
lbs. #401-6 \$3.00

SEC: 450 VCT 250 MA.
40 VCT 1 A. 2/6V 1A.
SIZE: 3x3x3x3; 9 LBS.
URC#702-704-00 \$6.95

SEC: 50V@100MA/3V@100
MA/40V@1.5A/40V@200MA
SIZE: 2x2x2x2; 2 LB.
URC#372993-1 \$3.95

22 VCT 75 A

PRI: 115 VAC
60 HZ
SEC: 22 VCT
75 AMPS
5x6x6x6; SH
WT: 46 LBS.
#NCR8318001, \$35.00

24 V. 4 A.

PRI: 115 V. 60 HZ.
SEC: 24 V. 4 AMPS.
3x3x3x3; 5 LBS. NEW
#CARSON-4892 \$4.95

PRI: 115 volt 60 cycle
Sec: 24 vct @ 15 amps
or 12 vct 30 amps full
wave. Runs hot; venti-
lation required.
4x4x4x3; 14lbs.
PK-6412 new \$15

PRI: 115 VAC 60 Hz
Sec: 460 VCT 50 ma
6.3 VCT 2 amps
3x2x2x2 4 lb #7514 \$3.

PRI: 115 VAC 60 Hz
Sec: 900 VCT 160 ma
4x5x3x3 8 lb #74618 \$4

PRI: 105/115/125 V 60 HZ

SEC: 460 VCT
255 MA:
5 VCT 3 A
12.6 VCT 3 A
SIZE: 6x4x4x4; 16 LBS
#HE-131P, USED, \$5.95

PRI: 115/230
VAC 60 Hz
Sec: 30 V 4
amps, 11 X-190 \$6.
20 V .5 A
3x1x3x3, 8 lbs.

PRI: 115 VOLT 60 HZ.
SEC: 130 VCT @ 200 MA
SIZE: 3x2x2x2; 2 LB.
URC#8316423 \$2.50

SEC: 26.8 vct 1 A. 2x2
2x2, 2 lb. #401-17 \$3.
PRI: 210-250 V. 50/60
Sec: 13.7 V. @ 1 amp.
6.3vct @ 4.75 amp
1x3x3x3; 10lb
229600-84 \$10.00

PRI: 230 VAC 60 Hz
Sec: 6.3 V tapped 5.67
V 20 amps. 5x4x3x3,
7 lbs. #CS58590, \$8.95

SEC: 175 VCT 100 MA.
75VCT 200 MA. 80 VCT
100 MA. & 5 V. 200 MA.
SIZE: 3x2x2x2; 2 LBS.
URC#720660-1 \$2.95

SEC: 60 VCT 1 A.
6.3 V. 100 MA.
SIZE: 3x2x2x2; 2 LBS.
URC#55-28224-1 \$2.95

SEC: 40 VCT 1 A.
SIZE: 3x1x1x2; 1 LBS.
URC#56000 \$2.95

SEC: 24V2A/6.3V100MA
24V100MA. SIZE: 3x3x3x3
4 LB. URC-LT-646 \$4.95

SEC: 30 VCT 200 MA.
45 VCT 100 MA/2.5V30M
SIZE: 2x1x1x2; 1 LB.
URC#374501-1 \$2.95

Two 6.3 volts @ 8 amp
6.3 v. @ 7.5 a. 6.3 @
5 amp. 4x4x4x5; 17 lb
#292-5655 \$9.95

115 VAC
60 HZ
Sec:
32 volt
center-
tapped
5 amps.
3x3x3x2, 6 lbs \$7.95

Sec: 125 V tapped 90
volts 3 amp. 4x4x3x3,
10 lbs. #225-3992, \$12

22 VCT 3 A.

80 VCT 1.5 A.

PRI: 100, 115 V. 60 HZ.
SEC: 22 vct 3 3 AMP.
80 vct @ 1 1/2 "
SIZE: 3x3x3x4; WT: 8 LBS
#3S92890015 \$4.95

PRI: 115 V. 60 HZ.
Sec: 62 V 10.8 Amp
7x5x7; 33 lbs.
8321 \$15.00

PRI: 115 V. 60 HZ.
Sec: 860 VCT @ 510 MA
5.2V@6a. size: 7x5x5x5
32lbs. #K8-8565 \$10

PRI: 115 volt 60 cycl
Sec: 30 vct 10 amps
3x3x3x3; 7 lbs.
#80-120003-2 \$10.95

PRI: 115 volt 60 cycle
Sec: 30 vct 15 amps
4x5x3x3; 15lbs.
#80-120002-01 \$16.95

PRI: 115 VOLT 60 HZ.
SEC: 35 VCT @ 1 AMP.
6 V. @ 300 MA.
SIZE: 2x2x2x3; WT: 3 LB.
URC#1341155-2 \$2.50

PRI: 115 VAC 60 Hz
Sec: 45 VCT 500 ma
6 V 500 ma
Size: 3x3x3x3; 2 lbs.
URC#203A6725-10 \$2.50

PRI: 115 VAC 60 Hz
Sec: 500 VCT 100 ma
6.3 V 1 amp
Size: 2x2x2x3, 4 lbs.
#URC8316213 \$3.95

SEC: 500VCT 35MA/24V.9A
6.3V.9A/6.3V.3A/4LBS.
3x3x3x3; #RM13-317 \$2.95

TRANSFORMERS

60 V 12 A
 Pri: 115 V 60 Hz
 Sec: 60 VCT 12 A
 50 VCT 3 A
 5x5x4 1/2, 18 lbs.
 #MEND-18903 \$15.

32VCT 8A
 Pri: 105/110/115
 50-60 Hz
 Sec: 32 VCT 8 amp
 4x3x3 1/2, 6 lbs.
 North 6012143 \$6.

115 V 60 Hz
 Sec: 115 V 3 AMPS;
 13 V 2 A;
 6.3 V 7 A.
 WITH CAPACITOR,
 4x3x3 1/2, 13 LBS.
 #PV-175-9, \$5.95

Pri: 115 V 60 Hz
 Sec: 12.5 V 2 AMP
 150 V 2 AMPS
 4x3x3 1/2, 13 LBS.
 #773605, \$6.95

Pri: 115 V. 60 Hz
 Sec: 300 V. 500MA
 6 V. @ 2.5A
 5 V. @ 1.5A
 3x4x4 1/2, 13 lbs.
 #SKN-300-50087.95

Pri: 115 V. 60 Hz
 Sec: 1280VCT 350
 MA/6.3V 7 A. and
 5 V. 4 A.
 5x4x4 1/2, 22 lbs
 #HGP-35 \$16.95

Pri: 115/230 VAC
 50-60 Hz
 Sec: (12 V 14 A
 by wiring 12 V
 secondaries in
 parallel) or
 12 V 9 A, 12 V
 3.2 A, 12 V 2
 amps; also 44 V
 3.5 amps.
 5x4x4 1/2, 22 lbs
 #P-601719, \$9.95

Pri: 115/230 VAC
 50-60 Hz
 Sec: (12 V 14 A
 by wiring 12 V
 secondaries in
 parallel) or
 12 V 9 A, 12 V
 3.2 A, 12 V 2
 amps; also 44 V
 3.5 amps.
 5x4x4 1/2, 22 lbs
 #P-601719, \$9.95

MICROPHONE TRANS
 Pri: 40 OHMS
 Sec: 75000 "
 SIZE: 1x1x1 1/2
 WT: 2 OZ.
 279986-2/RM-12
 PRICE: 75¢

AUDIO MATCHING
 OUTPUT TRANSFORMER
 Pri: 5000 ohms
 .015 ac Sec; 200
 & 4 ohm, .1-10 kc
 -30dBm. 2x2x3
 1 1/2 lbs
 \$3.95
 5950-645-1855

Microphone Transformer
 Pri: 1 ohm
 Sec: 2000
 1x2x1 1/2
 ST#29666A
 Price \$.59

1-177 TUBE CHECKER TRANSFORMER
 SIZE: 4x4x4 1/2 LB
 STK# 229613.667
 PRICE: \$4.95

Pri: 26/115/230 V
 60 Hz.
 Sec: 13 V. 8 AMPS
 TWO 230V WINDINGS
 TO SUPPLY 370 VDC
 600 MA.
 5x5x5 1/2, 22 LBS.
 229613.514 \$7.95

Pri: 115/230V 60HZ
 Sec: 5 VCT 10 AMP.
 3x5x3 1/2, 8 LBS.
 #7346 \$4.95

ALL PRIMARIES 115 VOLT 60 CYCLE
 Sec: 6v. @ 500 MA.
 1x1x1 1/2, 3 oz.
 URC#1378648 \$1.25

Sec: 6.3 v. 1 amp
 1x1x1 1/2, 4 oz.
 BE16073-001 \$1.50

Sec: 2/14 v. 600 MA
 2x1x1 1/2, 1 LB.
 VARNEY 214/6 \$1.95

Sec: 2/30 v. 250 MA
 2x1x1 1/2, 4 oz.
 URC#60605 \$1.50

Sec: 13 V. 1.5 A
 3x1x1 1/2, 2 LBS.
 #ED1-0-2, \$2.25

Sec: 24 V 1 AMP AC
 3x1x1 1/2-5/8x2; 3 LBS.
 #PC-977, \$2.95

388
 Sec: 24 V 1 AMP AC
 3x1x1 1/2-5/8x2; 3 LBS.
 #PC-977, \$2.95

AUDIO OUTPUT TRANS
 Pri: 450 OHMS
 Sec: 300/4000 OHMS
 IMPEDANCE
 PO/BC-348
 STK# 204348M/T
 2x2x4 WT. 2 1/2 LBS.
 PRICE: \$1.00

OUTPUT TRANSFORMER
 NP/NS-1.77/6.6, 50
 TO 5000 CYC. 5MA.
 Size: 2x2x2
 GEM 7465623-1
 PRICE: \$.75

LOW VOLTAGE TRANSFORMERS
 ALL PRIMARIES 105/110/115
 120/125 VOLTS 60 CYCLE.

Sec: 6.6 v. 18 AMP
 3x5x4 1/2, 12 LBS.
 GE#9T35Y159 \$4.95

Sec: 6.3v 2.75A/6.3
 V 5.5A, 2.5 KV test
 5x3x3 1/2 #7629805 \$6.

Sec: 6.3 V. 5 amp. 8 KV ins.
 ulatio. 5x3x3 1/2, 7 lbs.
 #059-2414 \$5.95

Sec: 5-v. 6 amp. 2000V test
 3x3x3 1/2, 7lb ORD7629812 \$4

Sec: 6.3 VCT 3 A 2.5 KV tes
 3x2x2 1/2, 3 lbs. #P-6446 \$4.

Sec: 6.3v 3.1a/6.3v 3.02.5a/6.3
 v. 4.5a/6.3v. 3.0a/2-5.0a2 amp.
 TFLA017A \$3.95

Sec: 5vct @ 4a/5vct @ 2a/
 6.3v @ 1a. 3x3x3 1/2, 6 lbs.
 Bendix L217336 \$3.95

Sec: 3/6.3v @ 2a. 5v @ 3a.
 3x4x3; sh. wt. 7 lbs
 GE80G114 \$3.95

Sec: 2/6.3v @ 2a 2x2x3 1/2;
 2 lbs. sh. #0555 \$3.95

Sec: 6.5 vct @ 3.4a/6.5vct
 @ 13.7a/5.2v @ 6.3a/5.2v @
 2.1a. 4x3x3 1/2, 15 lbs.
 TRC-SMB-202910 \$6.95

Pri: 220 volt 60 Hz.
 Sec: 6.3 " 20 AMP.
 4x3x3 1/2, 8lb. XAL6809 \$7.95

Pri: 210/220/230/240v 60 Hz
 Sec: 5 VCT 10 amp. Stand of
 insul: 1 1/2". Wilcox 960 Trans
 5x4x5 1/2, 10 lb.
 229600.42 Kenyo 10694 \$10

Pri: 115 VOLT 60 Hz.
 Sec: 850V 225MA.
 500V 125MA & 2/5.1V @ 3A.
 6.3v 2.5A/6.3v 1.25/6.3V 11A
 6x6x5 1/2, 25 LBS.
 #188-7474 \$9.95

Pri: 115 v. 60 Hz.
 Sec: 900 VCT 130 MA.
 5x5x3 1/2, 13Lb. 229612-38 \$8

Pri: 115 VAC 60 Hz.
 Sec: 2/150 V. 940 MA.
 5x4x3 1/2, 9 LBS. #U7450 \$10.

MICROPHONE TRANSFORMER
 PRI: IMPEDANCE 50 OHM 30MA
 SEC: IMPEDANCE 500 OHM
 FREQ. RESPONSE 400-1900cps
 SIZE: 1x1x1 1/2; WT: 8 oz.
 \$1.00 T-204/PP-115

LINE TRANSFORMER INPUT
 PRI: IMPEDANCE 500 OHM CT-
 SEC: " 500 "
 FREQ. RESPONSE 600-12000cp
 SIZE: 2x2x2 1/2; WT: 1 LB.
 T-203/PP-115 \$1.50

Pri: 115
 60 cycle
 Sec:
 1000-750-0
 750-1000
 @ 300 ma
 size 7x6x
 5 1/2; 22 lbs
 Mend-UTC Type 46 \$25.00

Pri: 115/230V. 60 Hz
 Sec: 920 VCT 700 MA.
 Four (4) 6.3 V. 8 A;
 5V 6 A., 5V 2A.
 Size: 5x5x6; 19 lbs.
 Paeco No. 910-96 \$15

Pri: 115/230 V. 60 cycle
 Sec: 920 VCT 500 MA.
 Size: 5x7x5; 19 lbs.
 Paeco No. 910-5-95 \$14

HIGH VOLTAGE TRANSFORMERS

DC POWER SUPPLY
 PRI: 115V 60 CY
 SEC: -8000 V.
 @ .25-1 MA.
 -120V @ 15 MA
 -24V @ 1.2 A
 -16 V @ .45 A
 SIZE: 4x4x9 1/2; WT: 15 LBS.
 #GE9T63Y2280G03 \$14.95

Pri: 115 VAC 60 Hz
 Sec: 6.5 VCT 24 A, 6.5
 VCT 6 A, 6.5 VCT 6.5 A,
 6.5 VCT 1 A (parallel
 37.5 A) 6x5x4 1/2, 22 lbs.
 #5950-647-6219 \$14.95

Pri: 115 VAC 60-400 Hz
 Sec: 6.3 V 3 amps
 Size: 3x2x2 1/2, 2 lbs.
 NE#185044 \$2.95

Pri: 115 VAC 60 Hz
 Sec: 900 VCT 250
 MA.
 4x4x4 1/2, 15 LBS.
 #SS-S-P243, \$9.95

Pri: 115/230 v. 60 Hz.
 Sec: 520 vct @ 90 MA.
 6.3v/1 1/2 A. 6.3vct 4A.
 SIZE: 4x5x3 1/2; WT: 7 LBS.
 #TB1RX03LB/FGC-29 \$5.95

CHOKE FOR ABOVE 10/25 HY.
 125/15 MA. 4x3x3 1/2, 4 LBS
 #T1RX04LB/FGC-29 \$3.95

Pri: 115v 60 Hz
 Sec: 350 vct 25 ma
 5.0 " 3 amp
 3x3x3 1/2, 3 1/2 lbs
 229613.77 \$3.95

Pri: 115/230 VAC
 Sec: 310 V 100 ma, 3/6.3
 8 amps, 6.3 V 10 A
 Size: 5x4x4 1/2, 14 lbs.
 NEC#110001, removed \$10

Pri: 105-110-115
 120-125
 Sec: 560ct 75 MA
 365 V 150 MA
 TAP335 V
 3x5x3 1/2, 8 LBS.
 # TFA02JA \$1.95

NOISE FILTERS

RADIO INTERFERENCE
 250. VOLTS AC/DC
 3 AMPS. F-311/U
 3x4x1 1/2, 12 OZ.
 SWSN N17S050968-
 5555 \$3.95

FILTRON FA-380 3x10 AMPS.
 28 VDC 3x3x1 1/2 \$2.50

CORNELL-DUBILIER NF10501
 4 AMP 50VDC 2x2x2 1/2 \$2.00

TOBE FILTERETTE 1426, 7.5
 AMPS 500 VDC 2x1x1 1/2 \$2

TOBE 1163FL-23 10 AMP 30 V
 DC 2x2x1, W/BACKET \$2

SPRAGUE JX-51K 10 AMPS, 100
 VDC. SIZE 2x2x1 1/2; \$2

Pri: 110/220/440 V
 50/60 CYCLE
 Sec: 24 V 6 AMP
 6 V 1 "
 CIRCUIT RESET FOR
 4 1/2" SQ. BX. MTG.
 7x4x5 1/2, 10 LBS.
 FOSTERD11586 \$6.95

Pri: 115 V 60 C
 SEC: 6.3 V 3.6 A
 15 V. 0.04 A
 15 V. 0.04 A
 SIZE: 3x3x3 1/2, 4 LBS
 STK#ORD7629806
 PRICE: \$1.50

CONSTANT VOLTAGE TRANSFORMERS: 95
 TO 130 VAC 60 HZ
 PRIMARY, WITH
 CAPACITORS. SOLA
 AND OTHER MFGS.
 REMOVED FROM E-
 QUIPMENT.

Sec: 6.3v @ 2.38a
 ao 5x3x3 1/2; 8lb
 582-5333 \$5.95

SEC: 24 VDC 5 AMPS
 SIZE: 4x3x3 1/2 15LB
 #22661-1 \$9.95

SEC: 25-27VDC 3.5 A
 AMPS; 5x3x4 1/2 11LB
 #22662 \$6.95

SOLA CONSTANT VOLTAGE
 Pri: 95-190 130-260
 Sec: 118V @ 4.24A 500VA
 7x12x5 1/2, 55 lbs
 Sola#23-22-650 \$40.00

Sec: 118 V. 2.2 A. 250VA
 9x4x7; 33 lb
 Sola#23-22-125 \$22.00

Pri: 95-125
 Sec: 115V @ 2.18 amp
 Sola#30807 \$20.00

Sec: 115 V. @ 1.04 A.
 Sola#30806 \$15.00

Pri: 100-130 volt
 Sec: 6 volt 25 amp.
 Sola#302237 \$15.00

Pri: 190-280 volt
 Sec: 118 volt 8.48amp
 Sola# 20-20-210 \$35

Input: 175-255 VAC
 47-63 Hz
 Output: 240 VAC 4 KVA
 11x18x7 1/2, 65 lbs.sh
 Topaz #902-15929
 Used, \$85.00

Pri: 1/2/4/10/20/
 40/100/200/400/
 1000/2000
 Sec: 40 V. 100 MA
 6x7x5; 20 LBS.
 ESPEY T-41627 \$8

Pri: 115v 60 Hz.
 Sec: 1300vct 100MA
 6.3v 2A. 5v 2A.
 4x3x3 1/2, 8 LBS.
 URC#EK211-PAL18 \$8.95

Pri: 115v. 50-1600 HZ.
 810VCT 125MA/570VCT 75MA.
 2/5v 2A/6.3v 3.25A/2/6.3.65
 4x5x3 1/2, 18 LBS.
 C-1367048 \$8.95

Pri: 117 v. 60hz
 Sec: 1250V. 2madc
 4.6kVDC TEST
 2.5 V. 2.1 A.
 2.5 V. 1.75 A.
 4x3x3 1/2, 10 lbs
 #3340*11866 \$7

Pri: 115 V 60 Hz
 Sec: 12.6vct 2 amp
 1500 v test, 2x2x2
 used #P-8130 \$1.95

PLUG-IN TRANSFORMER
 Pri: 115v 60Hz
 Sec: 24V 20VA
 2x2x2, 2LB.
 BE#8002 \$1.50

CONSTANT VOLTAGE
 SEC: 6.5 v. 12 AMP
 PRI: 95-130v 60 HZ.
 SIZE: 9x4x4; 15 LBS
 SOLA#302473 \$9.95

MAGNETIC AMPLIFIER
 115,400 cy/
 HEATER/D.C.
 REFERENCE
 CONTROL.
 KEARFOTT#425957-1A/SPERRY
 622033, 3x2x2; 1 1/2 LB.
 5950-712-3882 \$3.95

Pri: 2/115 VAC 50-60 Hz.
 Sec: 5 VCT 2 A; 5 VCT 4 A;
 6 VCT 3.5 A;
 115 V RMS 600 MA.
 SIZE: 4x4x3 1/2; WT: 15 LBS.
 #89-G-2730, used, \$4.95

MODULATION
 MODULATION TRANSFORMER
 Pri: 3000-3000
 Sec: 4250 7.5 KV
 Max. DC oper. 15 KV
 13x10x10; 90 lbs.
 American Trans.#31005
 5950-228-0821 \$45.00

Collins 250 watt modul.
 ation, 677-1040-00
 Pri: 12500 Sec; 5000
 Test volts 7500
 Response 400-5000
 9x9x9; 75 lbs.
 5950-235-6857 \$39.50

Audio Development 6977
 Modulation, plate to
 plate 15,800 ohms.
 4500 .900A DC, 7500
 .535ADC, DB 400-2000CPS
 11x8x10 1/2; 110 lbs.
 5950-568-4831 \$50

Pri: 120 V 60 cy
 Sec: 2.5 V 10 A.
 NO C.T. INS. 10M.
 4x3x3 1/2, 8 LBS.
 #229611.144
 \$2.95

5 V 20 A
 Pri: 105/115/210/
 220 VAC 50/60 Hz
 Sec: 5 V 20 amps,
 6400 WV
 5x4x3 1/2, 13 lbs.
 #791-0637, \$12.95

Pri: 115v 50-133cy
 Sec: 20 VOLT LOAD
 OR 12.5V @ 2 AMPS
 MOUNTED ON 4" RD.
 ELECT. BOX COVER
 3x3x2 1/2, 2 LBS.
 #FR-24960 \$1.25

CHOKES

12 HY @ 500 ma 77 ohm
5x5x5; 22 lbs #9230 \$10

10 HY 225 ma 78 ohm 500v
4x3x5; 12 lb #SC26009 \$6

4 HY 400 ma 35 ohm 1.07 kv
5x4x3 10 lb GE9T35Y231 \$6

4 HY 650 ma 25 ohm 1.07 kv
6x5x4 20 lb GE7485547 \$9

10 HY 150 ma 130 ohm 1680w
2x2x5; 5 lb SMB-202915 \$4

10 HY 400 ma 55 ohm 700 wv
5x4x6; 25 lbs SMB203042 \$7

10 HY 125 ma 2 KV 500 V to
gnd. 4x2x4; 6lb #52-3 \$4

10 HY 225 ma 100 ohm 500 v.
4x3x5; 6 lb L586944 \$4

4 HY 550 MA 40 ohms \$4.95
3x4x4; 7 lb Paeco 911-39

4 HY 250 MA 60 ohms 3000V1
3x2x3x3; 7 lb C-1412 \$3.95

140 HY @ 5v, 60Hz, 10MADC,
2700 OHMS, 2x2x3x3, 3 LBS
#HA-81C \$2.95

10 HY 55 MA
2x3x3x3; 5 lb T47110 \$1.95

50 HY 40 MA 1780 volt test
3x3x3x3; 8 lbs U-7402 \$3

10 HY. 50 MA. 100 OHMS. 3x
2x2; 1LB. 3C573/341 \$2.00

17 HY. 80MA. 300OHMS. 2x
2x2; 1LB. HRO-3C326-31A \$3.

8 HY 150 MA 100 ohm \$3.95
4x3x2; 10 lb TF1A04HA

10 HY. 100MA. 263 OHM. 3x
3x2; 3LB. #228-1859 \$3.25

12 HY 80 MA 375 ohm \$1.50
3x2x2; 2 lbs. SK1N20C53

150 MA AVAILABLE VARIOUS
HY TELL US YOUR NEED.

3 HY 350 MA 30 2K PV; 3x
4x2x2; 6 lb. L-225/PF115 \$3

5 HY. 400MA. 60 OHM. 4x5x
4; 12 LB. L217432-1 \$5.00

TELE. REPEAT

4 WINDINGS 21 OHMS EACH.
CROSS-TALK PROOF SHELL.
3C1327A 6x2x4; 3LB. \$3.00

4 WINDINGS. AUTOMATIC ELEC.
#D281723B 3x2x2; 2 LBS.
3C1400-6 \$2.75

10,000 VOLT

AMP P/N 845321-3
PRI: 115v 60Hz.
SEC: 10,000vac/100MA
5x5x4; 10LBS. \$20

SCOPE XFORMERS

PRI: 115 VAC 60 Hz-535 WV
SEC: 1850 V 7.1 MA RMS
Two 2.5 V 3 AMPS
5.71 KV WVM.

SIZE: 3x3x6; 9 LBS. SH.
#K56J54, UNUSED, \$7.95

PRI: 112/117/122v. 60 HZ.
SEC: 228v @ 15 MA.
360v @ 125 MA. TAPPED
@ 7v/332/346
6.6 v. 4.2 AMP.
5x3x3; 8LB. 229613-869 \$5

PRI: 115v. 50 TO 1200 HZ.
SEC: 700VCT @ 70 MA.TAP.65
400V @ 10MA 5W62A.
6.3V @ 4A. & 6.3 V @ .6A.
5x4x4; 10 LBS.
CAF-301538 \$4.95

PRI: 115/230 VOLT.
SEC: 54.4VCT 2.5A
37.5VCT 7.8A
36.5VCT 2.3A
6x5x4; 20 LBS.
SCHOTT T44X020A
\$12.95

PRI: 117v 50/60
SEC: 6500VCT
65MADC, 4350WV
5x6x7; 35LBS
539-6504 \$25.00

HIGH CURRENT CHOKES unused.
#6220483, 1 mHY 25 amps,
0.03 ohm DC resistance.
Size: 3x3x3; 5 lbs \$6.95
#6221188, 4 mHY 3.7 amps DC
0.083 ohm DC resistance.
Size: 4x2x3; 4 lbs \$4.95

1.5 HY 1.5 AMP
5000 v. TEST.
8x8x3x3; 8
SHPG. WT: 60 LB
5950-159-6041
\$14.95

SWINGING CHOKES
12 hy 70 ma /
5.5 hy 900 ma
50 ohms 115 v
60 Hz.
5x4x5; 30lb
3340-8850 \$10

10 hy 75 ma
375 ohm
2x2x1; 11lb
ADA8696 \$3

1 hy 235 ma
80 ohm
2x2x1; 8 oz
#0146 \$2.00

15 hy 100 ma
200 ohm 1600v
4x2x2; 6lb
STAM.1037 \$2.95

10 hy 250 ma
120 ohm 430WV
4x3x3; 8 lb
3C557231-1 \$5

20 hy 110 ma
1780 vt
3x4x3; 8 lb
UX-9121 \$2.95

6.7 hy 215 ma
2100 v rms
4x6x3; 12 lbs
N-163579 \$4.95

20HY 200MA
151OHM 60HZ
5360V MAX.W
5x4x5; 16LB
557-6198
\$15.00

3.5 HY 500 MA
100 V. 60 CYC
30 OHMS 715WV
4x5x3; 10 LBS
TF1A04KA/A8649
\$2.95

20 HY 80 MA
320 ohms
2 kv insula
4x3x3; 7lb
#38054 \$4

5 HY 400 ma
50 ohm 2500vt
Size 6x4x4
wt: 13 lbs
#3521746 \$8.95

10 HY 225MA
85 OHM
3x5x5
WT. 11 LBS.
#TF1R004YY
\$3.95

PRI: 115 VAC 60 Hz
SEC: 550 VCT 200 MA,
5 V 2 A; 6.3 V 3 A.
4x5x4; 15 LBS. SH.
#K-44J28, \$6.95

3 PHASE DELTA
60hz 400 wv
nominal 208 v
3phase
1940 wv
1370 v rms 52
ma rms per leg
5x5x4; 18 lb
686-6836 \$25

DUAL CHOKES
11 HY 100 MA
200 OHMS
4x4x5; WT 8
#3C557F-1
\$1.75

0 HYS 500 MA
45 OHM DC RES
500 WORK VOLTS
#5950-646-1383
\$5.95

CHOKE; 2.5 HY
700 MA; 16
OHMS. SIZE:
5x4-3/8x4; 4;
SH WT: 17 LBS
#147-1340,
\$3.95

PRI: 115 VAC 60 Hz
SEC: 280 VCT 75 MA; 13.5 V
1.2 AMPS; 5 VCT 3 A.
SIZE: 4x3x4-5/8; 16 LBS.
#193-8767 \$3.95

PRI: 220, 230, 240
SEC: 14v @ 5A
20v @ 5A
4x4x5; WT. 12 LB
CS8779A \$5.95

PRI: 0/116/120/
124v. 60CY.
SEC: 126v. 1.1A.
114v. 1.0A.
TF4RX01YY
8x5x4; .27 LBS.
K95-1476 \$7.95

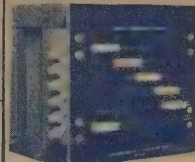
PRI: 117v 50-60CYC
SEC: 3/5v CT @ 2A
2/5v CT @ 2A
2/2.5v CT @ 10A
7x4x3; WT. 12 LB
GILFILLAN #54148-1
PRICE: \$5.95

PRI: 220/230/240v
50-60 CYC.
SEC: 2.5v CT @ 10A
5x3x3; 6LBS
5950-648-4773
PRICE: \$2.95

IGNITION TRANSFORMER
PRI: 230v 50/60 CY
SEC: 5000v 18 MA
ONE END GND.
6x4x3; 12 LBS.
5950-959-5369 \$7.95

POWER SUPPLY WITH
TRANSFORMER 115/
230 V. 50/60 HZ
OUTPUT 180VDC 40
MA. 6.3V 1.7A. 10
HY 55MA CHOKES, 50
W 450 MFD. CAP
6X4 TUBE. CHASSIS
5 1/2X 4 1/4X 4 1/2; 5 LBS.
RE-MOVED F6C-29/1640 \$5.00

SPEED CONTROL
CONSISTS OF A
TRANSFORMER
IN BOX 115 V.
60 HZ. WITH
OUTPUT SELECT
OR SWITCH
MARKED OFF-HI-MED-LOW.
PLACED IN SERIES WITH A.C.
LINE & LOAD SELECTOR ALLOWS
100%, 40% OR 20% OF INPUT TC
LOAD, 100 WATTS. SIZE 4 1/2
X 4 1/2 X 3 1/2 LBS.
#230428 NEW \$2.95



DAVIS DIMMER
AUTO TRANSFORMER
230 VOLT 60 CYCLE
1 PHASE WITH 5
48 VOLT
CIRCUITS THAT
CAN BE VARIED 0-
48 v. MAX. 20 A
TOTAL.
SIZE: 10x10x7;
SHPG. WT: 90 LBS
#GR-3 \$19.95

MULTI-VOLTAGE
ISOLATION TRANS.
PRI: 73/88/95/105/
115/125/190/210/
230/250. 50/60 CY
SEC: 17.6/35.2/189
193/196/200/203
@ 1.6 AMP.
9x4x7; 40 LBS.
229619-6 \$14.95

CHOKE; 2.5 HY
700 MA; 16
OHMS. SIZE:
5x4-3/8x4; 4;
SH WT: 17 LBS
#147-1340,
\$3.95

18 hy 50 ma/2.5 hy 650 ma
440 ohm 2100 wv.
6x6x5; 30 lb #6277 \$12

30/8 HY 10/130 MA DC CHOKES;
500 V RMS RIPPLE, 150 OHMS;
1200 WV. SIZE: 3x4x3; 10
LBS. SH. #969-5721, \$2.95

VARIABLE TRANSFORMERS

PRIMARIES 0-120,130,140 60
CYCLES. VARIOUS MANUFACTURE
USED, CHECKED, GUARANTEED.

1 AMP \$ 4.95 7 1/2 AMP \$27
1 1/4 5.95 10 33
2 6.95 15 37
2 1/2 7.95 20 45
3 12.95 25 55
4 1/2 19.95 50 95

ABOVE UNITS INCLUDE DIAL
PLATES AND KNOBS.

12 VOLT 60-CYCLE INPUT;
0-3.5 V. 2 AMP OUTPUT.
POWERSTAT #5-1066 USED \$3.

POWERSTAT TYPE 21, 0-130V
4.5 AMPS USED \$20.95

POWERSTAT LW136, 30V 25A
OR 15-0-15 V 35 AMPS OUTPUT
FROM 120/240 VAC 50/60 HZ
INPUT. 28 LBS SH. USED \$40.

VARIAC V20 OR W20, 0-135V
20 AMPS; W/KNOB; USED \$45.

GE9T92Y51, 0-240V 30 AMPS
FROM 120/240V 1 PH. \$100.

VARIAC M-5/RMS11-2, 0-135V
@ 5 AMPS FROM 114 VAC 400
HZ INPUT. #7486, \$12.95

VARIAC M20BB 120 VOLT 350Hz
20 AMP. MOTORIZED 115V400Hz
#5950-089-7734 NEW \$65.00

115VAC 60HZ 9AMP GANGED
FOR TWO PHASE MOTORIZED
115VAC 60HZ CN-54/FST-1
USED, \$50. LESS MOTOR \$45.

POWERSTAT, 115v. 400/800HZ
OUTPUT: 0-130V
7.5 AMPS,
0.975 KVA.
#5950-518-
2508, NEW
\$13.95

PU-235/U AC to DC CONVERTER, input
115 VAC 50/60 Hz single phase 29/31
amps, 3 H.P. 2800/3400 RPM.
Output: 28.5 VDC 42/52 amps 1.2/1.5
KW. W/meter, fan. 250 lbs. Used \$165

PU-175/U AC FREQUENCY CONVERTER, input
220/440 VAC 60 Hz 3-phase, 5 H.P.
Output: 180 VAC 400 Hz 3-phase 18/26 amps,
% pf 80. 225 lbs sh. Used, \$350.00



TRANSFORMER WITH
METER 0-100 AC
AMPS.
PRI: 115 VAC 60CY
SEC: 10/14/19/24
W/ON-OFF SW. AND
FUSED LINE. 140 LB
SIZE: 16x8x15;
5950-537-4950
PRICE: \$39.50

CHOKE
0.9 HY. 120 rZ.
0.8 TO 1.0 A D-C
650 v. 8.5 OHM
4x5x3; 10 LBS.
645-1233 \$4.95

.045 HY 3.4 A D-C
.24 OHMS, 65V MAX
120 HZ. 3x4x4x3;
11LB. 4619 \$4.95

PRI: 120 v
60 CYCLE
SEC:
5.4v/2.7v
@15A
5VCT
@15A
WITH
INSU-
LATOR
& TUBE SOCKET C6
5x5x7; 15 LBS
5950-553-5572
\$14.95

KNOBS FOR VARIACS

2-3/8" dia. fits
3/8" shft. W/ptr.
Luxitrol, \$1.50

4" dia. w/ptr. f/1/2"
dia. shft. Powerstat, \$2.95

3 1/2" dia. wheel w/pointer;
f/3/8 d. sh. Ohmite, \$3.95

4" d. wheel w/ptr. f/11/16"
d. shft. KNOB-35, used, \$3.

7 1/2" DIA. WHEEL-TYPE CONTROL
W/ALUMINUM POINTER; FITS
3" SHFT. POWERSTAT, \$5.95

DIAL PLATES, UNUSED.

4" DIA. 0-100 SCALE; 7/8"
DIA. CTR. HOLE, TAKES 3
SCREWS. #BP8087, \$1.00 EA

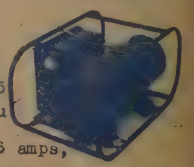
10" DIA. 0-100 SCALE; 1 1/2"
DIA. CTR. HOLE, TAKES 4
SCREWS. #BP655, \$2.50 EA

VARIAC OR RHE-
OSTAT CAGE;
SLANT FACE,
8xw7xh8x3d
(BASE) AND 1 1/2
DEEP (TOP).
WITH 5/8" DIA.

0-100 DIAL PLATE, 3 BANANA
JACKS, RUBBER FEET. GREY.
OHMITE MFG. #6975, NEW, \$10.

Many other variable trans-
formers in stock, 60 and
400 HZ. WRITE us your needs.

CW-30983 VARIABLE TRANSFORMER
ASSY. PRIMARY 115/220/440
VOLT 1 PHASE 60 HZ. SECOND-
ARY 115 v. 1 PHASE 1 KVA.
IN CABINET W/ON-OFF SW. &
FUSED CIRCUITS. SIZE 20x15x
12; WT: 200 LBS. \$60.00



ANTENNAS

MP-22 MAST SECTION MOUNTING BASE WITH SWIVEL THAT WILL TIP TO 90 DEGREES, RIGHT OR LEFT AND WILL LOCK IN THE VERTICAL POSITION. WILL TAKE MS-53 OR MS-54 MASTS AS THE STARTING SECTION. MOUNTING PLATE SIZE: 5x6 HEIGHT OF BASE 10". WT: 10LBS. \$4.95

MP-22A SAME AS ABOVE EXCEPT THE STARTING SECTION IS MS-51 AND YOU CAN ADD MS-50 & MS-49. \$4.75

MAST SECTIONS (shown to left) 3 ft. painted, copper-coated tubular steel. Sections screw together to make desired length. with MS-49 as top--then MS-50, -51, -52, and -53. MS-53 can be screwed into another MS-53 for added length. (MS-53 also screws into MS-54, -55, & -56, none of which are available.) Sections self-supporting to 15 feet. Taper 5/8" to 3/16"; 1 lb sh wt per section. May need paint but usable. MS-49-50-51-52, used 75¢ ea. Unused \$1.25 MS-53 section, used \$1 each. Unused \$1.50

CW-206 ROLL BAG for MS-116-117-118 mast sections; 40"Lx3"Hx5"W, used, \$5.00

ADAPTER BASE WITH INSULATOR, MAST SECTIONS MS-52 OR MS-53 WILL SCREW INTO THE TOP, AND ADAPTER BOTTOM WILL SCREW INTO MS-52 OR MS-53. CAN BE USED TO ISOLATE SECTIONS OF WHIP OR DIPOLE. SIZE: 1 1/2x8; 1 1/2 LB. NT-66023 \$1.95

FT-237 MOUNTING BASE FOR SCR-508-608 Mitter-receivers; 75 lbs sh. w/8" CO278-Some corrosion \$24

MP-41 MAST BASE bracket for all mast bases which need 2" hole mounting. 6x14x10, 7 lbs. \$5.00

AB-15 BASE FOR WHIP ANTENNA SECTIONS MS-116-117 118 ALSO AB-21-22-23-24. SPRING ACTION WITH INSULATOR 3 1/2x3" AND COAXIAL CONNECTOR FOR USE WITH PL-259, REQUIRES 2" HOLE FOR MOUNTING. SIZE 15 x 3 WT: 2 LBS. \$4.95

WHIP ANTENNA MAST SECTIONS FOR USE WITH AB-15. MS-116 is largest, 39 1/2" L x .393" DIA; CAN BE STACKED. MS-117 & -118 TAPER 39 1/2" L. MS-116 OR -117, \$2.50/SEC. MS-118 WRITE.

CU-92/APN ANTENNA COUPLING UNIT is a impedance matching device enabling the operation of 2 receivers from one ant. has one SO-239 & 2-binding posts and tuning adjustment 500 KHz-4 Mhz. \$3.95

A-62 Dummy Load for SCR-508-528-BC-604 \$5 A-83 " " " " 608-628- " 683 \$4

AS-27A/ARN-5 Horizontal folded dipole used on BC-733, ARN-5 Receivers 108-110 mhz etc. \$10

AT-2/APN-2 DIPOLE ANTENNA, 150-180 MHZ \$5.00 AT-438/GR DIPOLE ANTENNA 15" folded, takes PL-259 coax. conn on insulated bracket. \$15

ANTENNA WIRE SOLID COPPER #10 VINYL COVERED, 250 FT #4884C \$25

MP-54 OFF-SET BASE FOR AB-15; OFFSET 7" FROM BASE CONNECTOR. CTR. 11 1/2"H. #2A288A-35 \$7.95 20" DIPOLE W/14" SUP-PORT. 230-250 MHZ; 50A LINE FEED. USES TYPE "N" CONNECTOR. #2A288A-35 \$4.95

VIS-O-GLOW NEON LIGHTNING ARRESTORS, #4392, \$1.00 EA.

MP-73 GROUND PLANE MOUNTING BASE DESIGNED TO BE USED WITH MAST SECTIONS AB-21, 22, MS-116, 117 THAT SCREW TOGETHER TO MAKE DESIRED LENGTH FOR FREQ. REQUIRED. HAS SO-239 COAX. RECEPTACLE AND PROVISIONS FOR MOUNTING TO POLE TREE OR CORNER OF BUILDING. THE MOUNTING HOLES FOR THE VERTICAL ANW. AND THE RADIALS ARE 5/16" DIAMETER. SIZE: 10x15x6; WT: 10 LBS. PRICE: NEW \$9.95

THY GROUND PLANE ANTENNA designed for 72.5 MC. use but can be used on other frequencies Radiator 39", radials 40". Brass & coated steel construction with SO-239 coaxial connector. Has universal wall mounting bracket that can also mount on pipe using "U" bolts. Shpg. wt: 15 lbs. COA-66089 \$10.00

AT-339/PRC-6 HOMING ANTENNA for use in the 38-55.4 MC range continuously tunable. Handheld unit has folding loop, 5-step output attenuator, 4" cable w/BNC conn. Loop is 24" high, collapsed 12x5x2 1/2 and comes in bag. wt: 6 lbs. \$10.00

ANTENNA HORN

AT-903/G ANTENNA FEED HORN f/ 600-1850 Mhz range. 50 ohms impedance; type C connection. Has locking 11-position elevation adjust. Fits 2 1/2" dia. mast. Aluminum. 35"Lx26"Hx21" 40 lbs. Shipped via truck only. Used, \$35.00

AT-271/PRC Whip antenna, throw-out type 8 1/2 7 sections with spring loaded retaining cable to keep sections together in contact, folds up when not in use. \$5

AT-272 Goose neck flexible base 8" used with flat antenna on PRC sets. \$2.

AT-272 Flat antenna 30" long used with above goose neck on PRC Sets. \$3.

COI-51048 WHIP ANTENNA Telescoping, 7 ft. extended, 15" collapsed. \$2.50

AN-109 WHIP ANTENNA 5 FT. tapered \$1.50 AN-119 " " 6 FT. \$1.50

MP-74 GOOSENECK BASE FOR MS-118/AB-23 Mast Sections, 14" lg. w/spade type bracket for side mounting. \$2.00

M-422 ADAPTER for using MS-116/AB-23 sections with PRC & BC-1000 as long ant. \$2.00

AN-190 HANDHELD LOOP ANTENNA for SCR-536/BC-611 Radio Set. Similar to AT-339 \$12

210 TO 420 MHZ DIPOLE

AT-880 DIPOLE ANTENNA WITH CORNER REFLECTORS AND TWO FREQUENCY BANDS: 210-420 MHZ (LO) AND 390-620 MHZ (HI). 300 WATTS POWER RATING; LESS THAN 2/1 SWR OVER RANGE. INPUT IMPED: 50 OHMS. ADJUSTABLE ELEMENTS SPREAD FROM 12"L x 7"W TO 21"L x 15"W.

DIPOLE STANDS 14" OF MOUNTING BASE. TWO REFLECTORS ARE AT 45° ANGLE TO DIPOLE, 32" HIGH AND 40" ACROSS. FOLDS TO 32x7x30. MOUNTS ONTO 2" DIA. MAST; 35 LBS. SHIPPABLE VIA BUS OR TRUCK ONLY. USED, \$24.95; UNUSED, \$35.00.

AB-101 MAST SECTIONS FOR ANTENNA SUPPORT. STEEL MAST 2" OD. 5/8" LG. SWAGED END AND LOCKING DEVICE. SOLD ONLY IN SET OF SEVEN WITH CARRY. WEIGHT 100 LBS. PRICE USED \$50.00

MX-384 INSULATOR, FITS OVER 1-3/8" DIA. MAST OTHER END 1-3/8" OUTER DIA. \$1.95

AB-154 BASE WITH SWIVEL STAKE, 1-3/8" DIA. SLIPS INTO MAST SECTION. \$1.95

MX-857 ADAPTER, FITS OVER 1-3/8" DIA. MAST F/USE OF MS-116-117-118 WHIPS. \$1.95

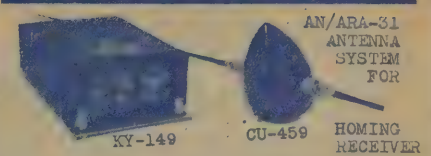
MX-GUY ROPES ARE 3/16" NYLON, 800 LB. TEST, W/ADJUSTMENT HARD. INSULATOR & HOOK.

MX-381 GUY 40 ft. with attachments \$2.00 MX-382 GUY 31 ft. " " \$2.00

MX-1469 " 44 ft. " " UNUSED 5.00 MX-378 GUY RING FOR FASTENING GUYS AND IS USED BETWEEN THE MAST SECTIONS \$0.50

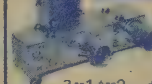
GP-2 STEEL GUY STAKE, 1 1/2"Lx3"DIA. 1-1/8" HEAD, 1-3/8" POINT. 2 LBS. 85¢ EA. 4 FOR \$3.

ARA-31 HOMING SYSTEM



For use in the 24 to 49 Mhz FM range. Complete system consists of four AT-624 24" antenna elements, two CU-459 ant. element connectors, a KY-149 keying unit w/mtg. and one SA-474 switch box. BNC connections except for one reverse pole BNC. An/ARA-31 w/manual, new, \$50. AT-624 antenna element, \$8.00 each. CU-459 antenna connector, \$5.00 each. SA-474 switching box, \$6.00 each. KY-149 keying unit, \$25.00 each.

SPDT ANTENNA RELAY



SPDT ANTENNA CHANGEOVER RELAY, 6 vdc 20 ohm. Contacts appear to be good to 100 watts. BNC type conn. 3x1x2. #5945-539-3025 unused \$7.95

AS-313/ARN-6 ANTENNA LOOP for ARN-6 Radio Compass Receiver System. 15lb \$15

LM-21 AM LOOP ANTENNA; used with radio compass receiver system in the 200-1500 KHZ band. Has 24 v. 400 cycle motor for rotating loop and autotune unit to transmit to I-82 or similar type indicators for direction. 30 lbs used \$25

AS-578/ARA ANTENNA for ARC-27, 34, 55 direction finding homing sets. used \$25

ANTENNA CHANGEOVER

MAGACRAFT #122RX-16; coaxial relay, 12-24 VDC SPDT with auxiliary SPST normally open 10 A. contacts, approx. 100 watts, 50 ohms. Has 2 RCA plugs & one SO-239 connectors. Encased with cover. 2 1/2x2 1/2x1 1/2, 2 lbs. sh. unused \$5



ANTENNA Relay; part of 30W-2 meter trans. SPDT with unused contact grounded, 60 vdc 15 ma. 4000 ohm coil. Three BNC connectors chassis, 2x1x2. unused #259-5165 \$7.95 2/\$15.00



WESTERN MICROWAVE ICL35A FERRITE ISOLATOR, 1.7 to 1.8 Ghz; 17 db isolation loss, 0.7 db insertion loss. 2 watts ave. Has male and female type N conn. 2x3-3/8x1 1/2, \$15.

AUTOMATE COXIAL SWITCH, MODEL 94CSA, used with above isolator. Two separate 28 vdc spdt coils, ea. one side norm. gnd. Two female TNC & one type N conn. Size 3 1/2x1 1/2x3 used \$12.95 w/isolator \$25

CHOPPER RF CHOPPER

AUTOMATIC DIRECTION FINDING ANTENNAS TO SAMPLE BETWEEN SENSE AND REFERENCE ANTENNA. USES TWO 100 HZ -5% COILS; CAN BE ACTUATED MANUALLY WITH DC VOLTAGES. HAS TWO UG-88 CONNECTORS ON 15" CABLES AND UG-290 BNC OUTPUT CONN. 4-3/8x3x2; SH.WT: 3 LBS. REMOVED FROM EQUIP. #354-1013-00, \$2.95

ANTENNA's from CANADA: UHF-type for 243 Mhz approx. 23" lg; screws into hard rubber base that mounts onto a mounting base. Rubber base has provision for Canadian coax fitting. Aerial #9 w/24" base, \$5. 2A-3143 COAX, 5' w/connectors, \$1. Cone-shaped aerial base #8, hard rubber, 5" dia. X 4" h. With 96" whip antenna. #PC-8-96, \$8.50

CABLES

NEW COAXIAL CABLE

NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

COAX	Ohms	100 feet	500 feet	1000 feet	5000 feet
RG-#					
RG-8/U	52	.22	.21	.20	.20
RG-11/U	75	.20	.19	.18	.18
RG-58/U	53.5	.11	.10	.09	.09
RG-59/U	73	.12	.11	.10	.10

Prices subject to change without notice.

NEW COAXIAL CONNECTORS

SO-239	PL-259	CH-259	PL-258 JUNCTION
59¢ ea.	65¢ ea.	75¢ ea.	\$1.25 ea.
10 or more 10¢ ea.	60¢ ea.	70¢ ea.	10 or more \$1.10 ea.
#83-876, two screw mount	#83-58FCP, short barrel PL-259		UG-536 "N" conn. for RG-58, \$1.

COAX CONNECTORS

CONNECTORS & ADAPTERS: (m) male, (f) female, (bulk) bulkhead, (rec) receptacle, (r/a) right angle; (U) used, (Un) unused.

TYPE BNC: UG-88 m (RG-58) U-45¢ ea, 10/44.
 UG-89 f (RG-58) U-75¢ UG-909 bulk U-31
 -90 f panel U-1. -911 bulk Un-32
 -260 m (RG-59) U-65¢ -913 m r/a Un-32
 -273 to UHF Un-32. -1090 to post U-32
 -282 to post \$1.50 -912 bulk Un-32
 -290 f rec U-65¢ -1441 to two banna
 -291 f panel U-31. na jacks U-33.

TYPE C: UG-573 m (RG-8) U- \$1.50 each.
 UG-636 to BNC U-2.50 UG-710 m r/a Un-33
 -643 f-f U-1.50 -943 (RG-12) U-33

TYPE N:
 UG-18 (RG-21) Un-32. UG-201 to BNC Un-32
 -27 m-f r/a Un-32. -536 (RG-58) Un-31
 -29 f-f U-1.50 -603 (RG-59) Un-32
 -30 f-f bulk Un-32. -997 r/a rec Un-34
 -160 f bulk U-1.50

OTHERS:
 UG-100 m U-31.50 DA-113 dummy U-35
 -100 panel U-1.50 UG-160 pulse f U-32
 -109 f/UG-100 U-1.50 -212 HN r/a Un-33
 M-359 elbow: PL-259 to SO-259, U-40¢ Un-75¢
 UG-175: reduces PL-259 for RG-58, Un-50¢ ea
 -176: " " " RG-59, Un-50¢ ea.



COAXIAL CABLE ASSY removed from test sets and equipment. All are guaranteed usable.

RG-9 w/two UG-573 "C" conn., 15', \$2.50
 RG-14 51 ohms w/UG-100 & UG-707; 15', \$10.00
 RG-21 53 ohms with male "C" UG-626 and female "C" UG-630 conn., 37 feet, \$3.00
 RG-26 48 ohm w/two UG-54 conn., 30', \$5.00
 RG-58 w/two UG-68 BNC conn., 4' min., \$2.00
 RG-59 w/male & female "N", 50', #CG-357, \$3.

WIRE SALE

Vinyl-covered HOOK-UP WIRE-many colors. NEW.
 #18 stranded, \$3/100' #14/LK \$50/5K
 #18 solid (black), \$3/100' #15/LK \$55/5K
 #26 solid, \$6/500' #9/LK \$30/5K
 #22 SHIELDED, braid covered over vinyl jacket; stranded: \$3.50/100' #25/LK \$65/5K

AIRCRAFT-TYPE WIRE, nylon insulation w/braid covering; silver-coated wire & shield:
 #22 stranded 100 feet \$4.50; 1000 ft \$35.00

COMPUTER CONTROL CABLE, 15 stranded, tinned 24 AWG conductors; color-coded vinyl insulation. Gray jacket; not shielded.
 \$26/100' \$115/500' \$195/LK' \$300/5K'



CK-263/G CABLE w/U-226 waterproof and locking connector. 10' cable has 5-19 AWG copper and steel stranded pairs. U-226 contacts gold-plated; can be rewired for 12 AWG. U226 mates to U226. 4 lbs. \$6.95

TAP SWITCHES

OHMITE 608-4 TANDEM HEAVY DUTY TAP SWITCH, two decks with four taps each rated 300 VAC 100 amps. Shaft 3/8" dia. x 2"; o/a 8" dia. x 7" h. 12 lbs sh. Used, less knob, \$16.95

OHMITE 412-5 TAP SWITCH, 300 VAC 50 amps; 150 V. between taps. Five taps in 120 full rotation. 1/2" dia. shaft. Overall: 4 1/2" dia. x 2 1/2" h. 4 lbs sh. Used, less knob, \$6.95

OTHER OHMITE SWITCHES AVAILABLE. WRITE.

TAP SWITCHES, 120/240 VAC 10/5 AMP UNLESS OTHERWISE NOTED. 2 1/2" DIA. SHPG. WT: 1 LB. USED.

#AHH-23-10; TWO DECK, THREE POSITION. WITH KNOB, \$1.95

#AHH-230; 2-DECK, 3-POS. AND OFF; CONT. TURN. 15/10 AMP. L/KNOB, SHFT 3/16" D. X 1/2", \$2.25

#LOV-230; LIKE AHH-230, BUT SHFT, 1 1/2" L. \$2.50

#AHH-33-10; 3-DECK, 3-POS., w/KNOB, \$2.75

#LOV-330; SAME AS LOV-230, BUT 3-DECK, \$2.95

#AHH-63-10; 6-DECK, 3-POS., w/KNOB, \$3.95

AHH-2W-3W TAP SWITCH; 3-POSITION WITH OFF. TWO-WIRE RATING: 120/240 VAC 30/15 AMP; THREE-WIRE: 15/15 AMPS. CASE SIZE: 1-7/8x1 1/2x1 1/2. WT: 1 LB. USED, WITH KNOB, \$2.95

ROTARY INDUCTORS

ROLLER INDUCTOR, 13.8 uHy; 24 turns #12 tinned-copper wire in 3 1/2" L x 2" dia. coil. Roller contacts; less coupler. Shaft 3/8" L x 1/2" dia. Overall size: 3x5x6; 8 lbs sh wt. #939-144-MED, removed, \$15.95

ROTARY INDUCTOR, 103 uHy; 61 turns #10 tinned-copper wire form 8 1/2" L x 3-3/8" dia. coil. Sliding contactor type; with coupler for 1/2" dia. shaft. Overall size: 8x8x14, 23 lbs sh wt. #939-16-LG, removed, \$25.00

ROLLER INDUCTOR, 5.5 uHy; 11 1/2 turns #12 T-C wire in 1 1/2" L x 2" dia. coil. Roller contacts; less coupler. Shaft 3/8" L x 1/2" dia. Overall: 3x4 1/2x4 1/2, 8 lbs sh. #939-11.5-S, \$10.95

ROLLER INDUCTOR, 1.3 uHy; similar to above, but 5 1/2 turns #12 wire. #939-15-SM, \$6.95

ROTARY INDUCTANCE TUNER COIL THIRTY TURNS OF TINNED COPPER WIRE AROUND A 2" DIA. X 3" DIA. ISOLANTITE FORM; 23 U-HY 100 WATTS APPROX. 1/2" DIA. SHAFT FOR COUPLING. SIZE: 5x3x3 1/2; SHPG. WT: 3 LBS. #AC55471, \$10.

CERAMIC FLEXIBLE COUPLINGS, see page 29

100-TURN COUNTER WITH SPIN KNOB. THREE DIGITS: 000 TO 999. HAS COUPLER FOR 1/2" DIA. SHAFT; NO FRONT MOUNTING PLATE. OVERALL LENGTH: 6 1/2". DEPTH REQUIRED BEHIND YOUR PANEL: 4 1/2". 2 LBS. SH. #1323-COUN, \$5.95

618S-1 POWER AMPLIFIER from Collins 2-25 Mhz 100 W transmitter. Has 12.3 uHy roller inductor. Coil 3 1/2" L x 1 1/2" dia. has 27 turns #14 silver-tinned wire; rotated by 115 VAC 400 Hz selsyn. Bands 2 to 3.75, 3.75-7.25, 7.25-14.25, and 14.25-25 Mhz switched by connection of 9 doorknob capacitors. Big silver contacts on ceramic switch. Uses 3/6159 tubes. 11x5x6, 10 lbs sh. #547-3496/618S-1, less tubes, \$25. With tubes \$36. Mating connectors, 2 required, \$2.50 each.

TRANSMITTING CAPACITORS

MICA TRANSMITTING CAPACITORS, G-SERIES TYPE IN USED OR UNUSED CONDITION DEPENDING UPON A VALUE'S AVAILABILITY. VARIOUS MANUFACTURERS. SATISFACTION GUARANTEED OR PURCHASE PRICE WILL BE REFUNDED. OTHER VALUES IN STOCK. WRITE.

TYPE	KV	MFD	KV	MFD
G1, 2 1/2" h x 2 1/2" dia., wt: 3 lbs.				\$12.50 ea.
1.0	0.04	6.0	0.0001	
1.5	0.08	6.0	0.00024	
3.0	0.02	6.0	0.0006	
4.0	0.0062	6.0	0.0047	
5.0	0.00015	10.0	0.00015	
5.0	0.01			
G2, 3 1/2" h x 3" dia., wt: 5 lbs.				\$18.50 ea.
2.0	0.03	10.0	0.0002	
2.0	0.045	10.0	0.00057	
10.0	0.00015	15.0	0.0002	
G3, 5" h x 4" dia., wt: 8 lbs.				\$27.50 ea.
2.5	0.15			
5.0	0.02	20.0	0.000051	
6.0	0.006	20.0	0.00015	
G4, 5" h x 5 1/2" dia., wt: 12 lbs.				\$39.50 ea.
4.0	0.084	8.0	0.012	
4.0	0.1	10.0	0.02	
6.0	0.024	15.0	0.01	
6.0	0.0373			
G5, 10" h x 6 1/2" dia., wt: 22 lbs.				\$59.50 ea.
10.0	0.02	35.0	0.0003	
15.0	0.0068	35.0	0.0004	
15.0	0.0082	35.0	0.001	
15.0	0.01	35.0	0.0015	

115 VOLT AC-DC MOTOR, starts at 15 VDC; runs counter-clockwise. 3" dia X 5 1/2" lg plus 5/16" dia X 1-1/8" lg threaded shaft. 5 lbs sh. #AC-DC-R102, unused, \$4.95

115 V AC-DC MOTOR, starts at 25 VDC, runs clockwise. 2 1/2x3x4 1/2 plus 5/16" dia X 1 1/2" long machined spiral shft. 3 lbs. #AC-DC-H102, \$3.

27 VDC 10 AMP 250 RPM MOTOR with brake which actuates when DC input is approx. 5 volts. Duty cycle 30 sec on, 300 sec off. O/A 2 1/2x2 1/2x6 1/2 plus 7/8" long X 3/8" dia. shaft. 5 lbs sh. #2312-6, \$7.95

BODINE 1/12 HP GEARHEAD MOTOR, 115 VAC 60 Hz 2 amp motor, 1725 RPM. Gearhead: 175 RPM 10:1 ratio, 21 lbs torque. Overall size: 9x5 1/2x5 1/2. Gearhead-shaft: 2-3/8" lg X 5/8" dia. 22 lbs. #NSL-53R \$25

GE #5BC48AB550A 1/2 HP DC SHUNT COMPOUND MOTOR, armature 115 VDC 2.1 A; field 40 VDC 1.2 amp. 1140 RPM. Double end shaft 2x5/8 and 4x5/8" dia. Casing 11 1/2x6 1/2" dia. 60 lbs sh. Used \$35.

160 RPM DRIVE UNIT w/clutch has Globe C-25A512 27 VDC 15000 RPM motor and 27 VDC clutch assembly. Motor operates with good torque over 5 to 27 VDC. 160 RPM output on 3/16" dia X 1/2" lg shaft. O/A 3 1/2x4 1/2x3 1/2, 3 lbs. #160DRV/618 used \$8.95

100 RPM 12 VDC GEAR MOTOR, output at 3/8" x 1/8" bar which would mate with slotted shaft (not included). Also \$400 RPM available on 5/32" dia x 1/2" lg shaft. O/A 5 1/2x2 1/2x2-3/8; 3 lbs sh. #LER-11152S unused, \$8.95

SMALL RECORDER FM MOTOR, operates 4 to 12 VDC, reversible. 1/8x3/32" dia shaft; O/A 1 1/2x1 1/2 dia, 1 lb. #R-357141, NEW \$2.; w/pulley \$2.25

DUAL SPEED OPEN FRAME MOTOR, USED WITH RECORDING UNITS. 115 VAC 60 Hz; 2000 and 3000 RPM. 3/16" DIA. SHAFT EXTENDS BOTH SIDES WITH PULLEYS FOR BELTS ONE SIDE. MOTOR SIZE (LESS SHAFT): 2 1/2x2 1/2x2, SHPG. WT: 4 LBS. #TM-381, UNUSED, \$3.95

HEAVY DUTY TAPE RECORDER MOTOR 115 VAC 60 Hz, 1500 RPM. MOTOR SIZE: 2 1/2x3 1/2x2 1/2, SHAFT 1 1/2x5/16" DIA. WT: 5 LBS. STK. #D6-20220 UNUSED, \$5.95

HAND-CRANK MAGNETO GENERATORS
 OUTPUT APPROX. 100 VOLTS DEPENDING ON SPEED OF ROTATION. USED TO RING BELLS IN TELEPHONE LINES. CAN BE USED FOR WORM SHOCKER AND OTHER EXPERIMENT. SIZE 4x2 1/2
 WT: 1 LB. COND. USED G-25 \$5.95 G-42 \$7.95

DC AIRCRAFT MOTOR; GE#58A-50LJ29, 0.4 HP, 3000 RPM. ARMATURE: 60V. @ 2.3 AMPS FIELD: 27 VOLTS @ 6.5 AMPS DUTY: 10 MIN. @ FULL RATING. SHAFT IS CORKSCREW-TYPE 5/8 INCH DIA. FLANGE MTG. 3/2 CENTS. BODY SIZE: 6 1/2 x 4 1/2 x 4 1/2 WT: 11 LBS. \$4.95

VARIABLE SPEED DRIVE CONTROL USED WITH MOTOR AM No. E-85-132. GE#3S750RJ750A1, FIELD 100 VDC ARM., 140 VDC., 2.6 A INPUT 230 V. 50/60 HZ. 5 LBS GE#3S7505RJ750A1 NEW \$25.00

JOHN OSTER TYPE C-24A-1B KS-5829 SERIES MOTOR; 27 VDC, 0.01 HP, 7000 RPM. SIZE: 3x2 DIA.; SHAFT: 1x1/2 DIA. WT: 1 LB. Unused, \$2.95

GE#5PR56HOM 110 v. 2.3 A. 8000 RPM. INT. 1/10 H.P. 50/60 CYC. REV. SIZE 3x5, SHAFT 3/16x1 STK.#3H3000B2 5 LBS. N.\$12.95

DICTAPHONE #7CB-2P; 115 v. 60 c 1/60 HP. 1740 RPM, SIZE 3x3, SHAFT EA. END 1/2x3, 2LB.N \$9.95

ART-13 MOTOR, 28 VDC. .05 HP @ 3900 RPM. REVERSIBLE; BALL BEARING. MOTOR WILL OPERATE ON 12 VDC. SIZE: 4 1/2 x 3 1/2 DIA. WT: 1 1/2 LB. PRICE: Used, \$2.95

MD-34/ARA-8 MODULATOR-KEYER, p/o automatic homing keying assembly; contains Oster BT-2-15 28 VDC shunt motor, 12000 RPM 1.1 amps connected to double worm reduction with output of 32 to 50 RPM over 10-26 VDC. Also has phase shift capacitor and RF UHF connectors. 3 1/2 x 10 x 4 1/2, 5 lbs. Used, \$3.95

28 VDC 12000 RPM MOTOR f/ARC-3 set. Removable worm gear; shaft 1 1/2 x 3/16 dia. O/A 3" x 1 1/2" dia. #697-2644; \$5.95

HAND CRANK GENERATOR AS USED IN GIBSON GIRL RESCUE TRANSMITTERS OUTPUT 28 VDC @ 175 MA & 300 VDC @ 30 MA. WHEN CRANKED AT 60 RPM GEAR RATIO APPROX. 72 TO 1. NO LEGS SEAT OR MOUNTING. #GEN/CRT-3 RE-MOVED \$10.00

HYSTERESIS SYNCHRONOUS MOTOR 115V 60Hz, 1800RPM, CONT. 1/8HP FL. MTG. 7", SHAFT 2" 1/16" DIA. SIZE 6x5, CAP. ST. USED 25LB. BODINE#MCH-54 OR EQUAL \$25.00

RECORDER MOTOR, 1500 RPM; 115 VAC 60 Hz, DOUBLE END SHAFT, 3/8x3/16 DIA. & 1x3/16" W/PULLEY. MOTOR SIZE: 2 1/2 x 2 1/2 x 2 1/2 WT: 2 LBS. STK. #G140700 UNUSED, \$4.95

RECORDER MOTOR, 1500 RPM; 2" SHAFT IS 3/16" DIA. FOR 1 1/2"; 3/64" DIA. LAST 3". 3/8x3/16" DIA. SHAFT ON OTHER SIDE. MOTOR SIZE: 2 1/2 x 2 1/2 x 2 1/2 WT: 2 LBS. #602-1 UNUSED, \$4.75

EAD/WE KS-5718; 115 v. .27 A. 50/60 CYC. CAP. REQ. 4 MFD. DUAL SPEED 2750/3300 RPM. MO SIZE 3 1/2 x 3, 4 LBS. SHAFT 5/16x1, 1/50 HP. N.\$14.95

WE KS-5871-LOI MOTOR, 28.8 VDC @ 3.3 A. .5600 RPM. 0.04 HP SERIES WOUND. CONTINUOUS DUTY; REVERSIBLE WITH SPEED GOVERNOR. (MAY ALSO OPERATE AT 12 VDC AT REDUCED SPEED. SHAFT 1/2x1, OVERALL SIZE: 6 1/2 x 3 1/2 DIA. SHPG. WT: 7 LBS. USED \$7.95

MOTOR DRIVE ASSEMBLY f/vacuum variable capacitor. Uses 1/100 HP 15000 RPM 28 VDC motor (2"x1 1/2" dia.) Has worm drive from motor to a series of gears geared to a 2" lever arm with vertical motion. Also has limit switches and Cinch DA-15 15-pin connector. O/A size: 8x 3 1/2 x 2 1/2, 3 lbs sh. #DRV501/CU991, used, \$7.95

PD-5/ARA-19 TUNING DRIVE, p/o ARN-6 remote tuning system. Uses 27 VDC 250 RPM Delco PM motor. Also 10-turn 1000 ohm linear pot driven by gear from the motor. Output with female MC-124 spline shaft. Motor shaft 3/8" long X 1/8" dia. O/A 5 1/2 x 4 1/2 x 2 1/2, 4 lbs sh. Used, \$9.95 Mating conn. \$2.50; MC-124 spline, 20", \$1.50

28 VOLT MOTOR, 135 RPM: HP: 1/2 IN. WITH 5/16x2" DIA. GEARED SHAFT; HAS 4 SOLDER TERMINALS ON 1x1 1/2 BLOCK. MOTOR SIZE: 5x1 1/2 x 7/8 DIA. WT: 1 LB. GE#58A10FJ444 USED, \$7.95

ARN-6 GEAR & MOTOR, 4-position Geneva motion 30 each, 120 total. 28 VDC 320C RPM motor split-field reversible. Reverse sw waffer broken. Motor 1 1/2x1 1/2x2 1/2; O/A 1 1/2x3 1/2. Used \$3

B-701/R-107 MOTOR FROM AS-313/ARN-6 LOOP ANTENNA. OPERATES FROM 26 VOLT 400 HZ @ 2750 RPM. WILL OPERATE FROM 12 VDC 60 HZ. SIZE: 3x2 1/2 x 3 WITH 3/8" GEAR. WT: 2 LB. PRICE: Used \$3.95

HOLTZER-CABOT #1981-HC 120 VAC 400 Hz GEAR MOTOR, 6-RPM with 40 oz.-in. torque. Shaft 1 1/2" long x 0.2" dia. Overall size: 2 1/2 x 2 1/2 x 3, 3 lbs sh. #1981-HC, unused \$14.95

DELCO PM MOTOR 5067125, 27.5 VDC, 10,000 RPM. TWO GOVERNORS, TAPERED SHAFT 3/16x1/16" DIA. MOTOR SIZE: 3x1x1 WT: 5 LBS. \$3.95

MOTOR W/RIGHT ANGLE SHAFT & MOUNT, 1/8 HP 230 RPM. SHAFT SIZE: 5/16" LONG X 3/8" DIA. CLEARANCE BETWEEN SHAFT AND MOUNTING ABOUT 1" REQUIRES 115 VAC 60 Hz @ 1.9 AMPS. SIZE: 7x3 1/2 DIA. WT: 15 LBS. ROBBINS & MEYERS #K-LH330, \$12.95

D.C. LINEAR ACTUATOR UNIT; ARM TRAVELS 2" AT END OF TRAVEL ARM ROTATES, 24VDC, 1AMP MAX, WILL OPERATE AT LOWER VOLTAGE. SIZE 3 1/2 x 7 1/2; 2 LBS. P.M. TYPE MOTOR ASSY. #554125 USED \$9.95

D.C. LINEAR ACTUATOR; 26 VDC 2A. 400 RPM. 45 OZ IN. TORQUE, APPROX. 2" ARM TRAVEL ON THREADED SHAFT, REQUIRES LIMIT SWITCHES, HAS NO PROVISION FOR OVER TRAVEL. HAS BRAKE FOR FAST STOP. SIZE 5x1 1/2 IN. GE#58A10FJ450 USED \$8.95

JOHN OSTER 10 CFM BLOWER WITH MOTOR C2BP-1A. 27.5 VDC 0.01 HP, 6000 RPM. SIZE: 3 1/2 x 3 1/2 x 4 1/2 WT: 4 LBS. USED \$3.95

28 VDC BLOWER, 6200 RPM WITH THE OPTION OF EITHER A SHUNT MOTOR TYPE OR PM MOTOR. SIZE: 3x2 1/2 x 3 SHPG. WT: 4 LBS.

BLOWER WITH PM MOTOR \$6.95

D.C. MOTOR & GEAR REDUCER, 24-29VDC NO LOAD SPEED 225-275 RPM, 60 OZ. IN MAX. INTER. TORQUE, 2" FL. MTG. 3/16" SHAFT, MOTOR 2 1/2" LG. REVERS! PART NO. C-5A-1049 USED \$5.95

DCC MOTOR & GEAR REDUCER, 26.5 VDC, NO LOAD 55-70 RPM, 200 OZ. IN. MAX. INTMT. TORQUE. 2" FL. MTG. 3" LG. 1/2" SHAFT, REVERSIBLE. PART NO. 5A1514 USED \$6.95

VICKERS AR-10007G 115 VOLT 50/60 CYCLE SELENOID OPERATED AIR VALVE ONE INCH ACTUATES TUBE PLUNGER 1" STROKE. USED SIZE: 6x4 1/2 x 2 1/2; 5 LBS. \$18.00

K-101300 SYNCHRO CONTROL TRANSFORMER, similar to AY-201; rotor 26 V 1 phase, stator 11.8 V 3 phase 400 Hz. Shaft 1x1/16" dia. O/A 1 1/2 x 1 1/2 dia. Removed from equipment, \$4.00

AY-165 AUTOSYN DIFFERENTIAL, 400 CYCLE, 11.8 V. 3 PHASE ONE TO ONE RATIO. BENDIX & OTHERS. SIZE: 1 1/2 x 1 1/2. PRICE: REMOVED FROM EQUIP. \$2.95 AY-231 AND AY-232 SAME SPECS. AS ABOVE..

AY-123 AUTOSYN RESOLVERS; 400 CYCLE, ROTOR 2 PHASE 26 VOLT, STATOR 2 PHASE 11.8 VOLT. PRICE:

AY-177-B1 AUTOSYN DIFFERENTIAL 400 CYCLE 3 PHASE 11.8 V. TO 3 PHASE RATIO 1-1 SIZE: 1 1/2 x 1 1/2, SHAFT 1x1/16 PRICE: NEW \$2.95

SYNCHRO GENERATOR SPERRY#R5663642, Mfg. BY BENDIX. SIMILAR TO BENDIX AY-401-2, OPERATES FROM 26 VOLTS 400 CYCLE SINGLE PHASE WHEN USED IN CONJUNCTION WITH AY-201 CONTROL TRANS. IT WILL OPERATE UP TO 20 UNITS. SIZE: 2 1/2 x 2 1/2; WT: 12 OZ. PRICE: NEW \$2.95

115 VAC 60 Hz PAIRED SELSYNS, larger and more powerful than those listed above. Use to show relative angular position of antennas or similar projects. Size and style may vary, but approx 3x6, 3 lbs ea. Used, tested, \$40/pair

23CX4 TRANSMIT. 115 v. 400 cyc USED \$ 8.95

23TX4 " " " " " " 8.95

23CT4 CON/TRANS. " 400 " " 8.95

23RS4A RESOLVER 90/90v " " " 8.95

23CT6 TRANSFORMER 90/1V PER. -DEG. "60CY 8.95

2J1H1 SELSYN DIFFERENTIAL GENERATOR NORMALLY OPERATES FROM 57.5/57.5 VOLTS 400 CYCLE BUT WILL OPERATE FROM 26 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2 1/2 x 4 1/2; 8oz. PRICE: WITH CONNECTOR GAPS.....\$3.95

DAYSTROM TRANScoil CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT CT., 3200 RPM. SIZE: 2 1/2 x 2, SHAFT SIZE: 1/16x1/2 WITH GEAR. REMOVED FROM NEW EQUIPMENT. PRICE: \$5.00

FPS-26 SYNCHRO ASSY W/18CX6B 115 V 60 Hz xmitter synchro and 18CT6B 90 V 60 Hz control xformer synchro geared to common large gear. Each selsyn 2 1/2 x 1 1/2 dia; 5 lbs assy. NEW \$50.

MAGNESYN TESTER
MAGNESYN FIELD TESTER; Type B-1 mfgd. by Aeromsmith Instrument for 26 V. 400 Hz magnesyns. Has calibration charts for magnesyn usages: manifold pressure, torque pressure transmitters, torque pressure, fuel, oil, burner or water pressure, liquid level, and fuel flow. 3" indicator for setting electrical zero (EZ) and switch. Also short cable with male and female 4-pin connectors. Size: 6x10 1/2 x 5 1/2, 8 lbs. sh. Unused, not checked, \$25.00

LINEAR ACTUATOR, STAT. 200, TENS. 40, COMP. 40. ARM TRAVEL 5/16". Motor 115v. 400 Hz, 1600 RPM. DUTY 1/10, 0.04 HP. Torque: 6.7 IN-OZ. SIZE: 5x5x3 1/2 WT: 5 LB. AIRSEARCH#34930 USED \$3.95

LINEAR ACTUATOR, STAT. 200, TENS 75-100, COMP. 75-100. ARM TRAVEL 1/2". Motor 115v. 400 Hz, 0.025 HP 6500 RPM. DUTY 1/10, Torque: 3.9 IN-OZ. SIZE: 5x8 1/2 x 4 1/2 WT: 5LB AIRSEARCH#3D146-120 USED \$3.95

RATCHET MOTOR, 24 VDC 60 RPM CONTINUOUS. ALSO THREE POSITION STOP. BAND SWITCH ASSEMBLY AS USED IN R-5/ARN-7 COMPASS RECEIVER. UNIT WILL ALSO OPERATE FROM 18 TO 24 VDC. SIZE: 3x4x1 1/2 WT: 2 LBS. #609-ARN-7 \$1.25

REDMOND BLOWER MOTOR: 24 VOLT DC 6000 RPM MOTOR .96 AMPS. OVERALL SIZE 4 1/2 x 3 1/2 x 3 1/2; WT: 2LBS. #451-1085 UNUSED \$4.95

PRC-25 TRANSCEIVER

RT-505/PRC-25 PORTABLE TRANSCEIVER, 30 to 75.95 Mhz FM in bands 30-52.95 Mhz (Lc) and 53-75.95 Mhz (H1) using 920 channels with 50 KHz spacing. Transmitter output: 1.1 to 2.0 watts. Has 150 Hz squelch tone. Set is transistorized except for 2D4 tube in power amp. Power required: 3 VDC 0.4 amp and 15 VDC 1.4 amps. Batteries not available. Size: 4x11x14; 18 lbs. sh. Used, not checked, \$125.00

AN/PRC-25 BACKPACK TRANSCEIVER SET consisting of RT-505, CY-2562 battery box, ST-138 backpack harness, H-189 (or H-138) handset, AT-892 ribbon antenna, AB-591 antenna base, AT-271A antenna, and CW-503 (or CW-216) accessory bag. Used, \$160. PRC-25 SCHEMATIC, \$5.

BA-4386 MAGNESIUM LONG-LIFE BATTERY for PRC-25 or -77; '78/'79 date codes, unused \$8.95



T-195/GRC-19 TRANSMITTER, 1.5 to 20 Mhz in ten bands; transmits CW, voice, or FSK. MANUAL OR AUTOMATIC TUNING. POWER OUTPUT: 100 WATTS (1.5-12 Mhz), 90 WATTS (12-16 Mhz), or 80 WATTS (16-20 Mhz). ANTENNA INPUT: 50 OHMS. AUDIO: 600 OHMS. METERS FOR PA GRID AND CATHODE CURRENTS, BATTERY VOLTAGE, AND MODULATION LEVEL WITH 22 TUBES INCLUDING TWO 4X150D's. Requires 22-30 VDC 42 AMPS (9 A STANDBY). 11x22x14; 150 LBS. SH. 122 LBS. NET. USED, REPARABLE, \$125. T-195B/GRC, P.U.R.

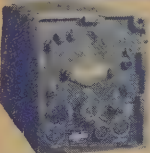
R-392/URR RECEIVER, COMPANION TO THE T-195, 0.5-32 Mhz IN 1 KHz STEPS ON COUNTER DIAL. 24 VDC 3 AMPS REQUIRED. Used, checked, \$295.

MT-851 BASE FOR T-195 AND R-392, 60 LBS. \$10. T-195 BATTERY CABLE WITH PLUG, \$4.95

T-195/GRC-19 MANUAL, \$7.50
R-392/URR MANUAL, REPRODUCTION, \$10.00
AN/GRC-19 OPERATOR'S MANUAL, \$3.00
AN/GRC-19 MANUAL, \$10.00

R-808/GRC-14 RECEIVER, 2-32 Mhz AM, CW, FSK in 4 bands; 115 VAC or 24 VDC 5 amps, \$250.
T-631/GRC-14 TRANSMITTER, 2-20 Mhz 400 watts peak 1100 vdc, 250 vdc, 312 vdc, -105 vdc, 26 vdc and 2/115 VAC 60 Hz. Used, excellent, \$175.

38 TO 54 Mhz RECEIVER



R-110 RECEIVER 38 to 54 Mhz FM CONTINUOUSLY TUNEABLE, VARIABLE SQUELCH AND AUDIO, OUTPUT IMPEDANCE 600 OHMS. 4.3 Mhz. I.F. WITH TUBES 3/1U4, 2/1L4, 1A3, 2/3A5, 1S5, 2/3C4, 2/6AK5 & 0B2.

VOLTAGES REQ. 135 VDC @ 70 MA. AND 6.3 VDC 2 AMPS. SIZE: 9x13x7; WT: 32 LBS. USED \$49.50

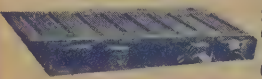
R-108

RECEIVER, SAME AS R-110 ABOVE EXCEPT 20-28 Mhz. USED \$29.95

R-109

RECEIVER, SAME AS R-110 ABOVE EXCEPT 27-39 Mhz. USED \$39.95

PP-282 POWER SUPPLY 24 VDC FOR R-108-109-110 RECEIVERS. MOUNTS INSIDE REC. USED \$5.95



SHOCKED-MOUNTINGS FOR GRC SERIES RADIO SETS. ALL HAVE APPROPRIATE CABLES & CONNECTORS

THAT GO FROM THE MTG. TO THE SET & BATTERY. BUT THEY DO NOT HAVE JUMPER CABLE UNIT-UNIT.
MT-297/U HOLDS R/T, PS, REC. RT-70, AM-65, C434. SIZE: 33x13x4; WT: 75 LBS. USED \$25.00
MT-298/U HOLDS TWO (2) R/T & TWO (2) PS. SIZE: 37x13x4; WT: 85 LBS. USED \$20.00
MT-299/U HOLDS ONE RT-66, 67, OR 68 & ONE PS. SIZE: 18x13x4; WT: 50 LBS. USED \$25.00
MT-300/U HOLDS (1) RT-70 & AM-65 (PIGgyBACK) SIZE: 8x13x3; WT: 25 LBS. USED \$20.00
MT-791/U NO CABLES, FOR SINGLE UNITS SUCH AS REC. MD. CV. GSA. PP. ETC. SIZE: 8x13x3; WT: 18 LBS. USED \$15.00

RECEIVER-TRANSMITTER

RT-68/GRC RECEIVER-TRANSMITTER, 38 to 54.9 Mhz RANGE CONTINUOUSLY TUNEABLE OR 100 KHz-STEP DE- TENT CHANNELS OR TWO PRE- SET CHANNELS. RECEIVES AND TRANSMITS BOTH VOICE AND 1600 HZ RINGING FM SIGNALS. THE OVERALL COMMUNICATION RANGE IS FROM 10 TO 15 MILES. THE RECEIVER CIRCUIT IS A DUAL-CONVERSION SUPERHETERODYNE TYPE WITH THE 1ST IF VARIABLE FROM 4.45 to 5.45 Mhz AND THE 2ND IF FIXED AT 1.4 Mhz. THE RECEIVER HAS A VARIABLE SQUELCH CONTROL AND A 600 OHM OUTPUT IMPEDANCE. THE TRANSMITTER CIRCUIT USES A CRYSTAL- CONTROLLED OSCILLATOR AND OSCILLATOR POWER AMP AND PUTS OUT 2 WATTS ON LOW POWER VOLTAGE OR 16 WATTS ON HIGH POWER VOLTAGES SUPPLIED FROM THE POWER SUPPLY SOLD SEPARATELY. THE RT-68 ALSO PROVIDES A METER AND TEST SWITCH TO MONITOR TRANSMITTER POWER OUTPUT FILAMENTS AND THE 90 VOLT INPUT. WITH TUBES 4/1U4, 2/1A3, 2/1L4, 4/1R5, 2/1A6, 1S5, 4/3Q4, 3/3A5, 2/3B4, 3A4, 6AK5 AND 2E24. SIZE: 9x13x11; WT: 42 LBS. USED \$75.00

RT-66/GRC RECEIVER-TRANSMITTER SAME AS RT-68 ABOVE EXCEPT 20-27.9 Mhz RANGE. USED \$39.50

RT-67/GRC REC-TRANS. SAME AS RT-68 EXCEPT 27-38.9 Mhz RANGE. REPARABLE \$49.50



PP-112/GRC 24 VOLT POWER SUPPLY FOR THE RT-66, 67 AND 68 SERIES RECEIVER-TRANSMITTERS. THIS UNIT SUPPLIES ALL THE NECESSARY VOLTAGES FOR THE RECEIVER AND TRANSMITTER CIRCUITS. INCLUDES LOW AND HIGH POWER SWITCH FOR THE TRANSMITTER SECTION. SIZE: 9x13x7; WT: 38 LBS. USED \$25.00

PRC-10 RECEIVER-TRANSMITTER

RT-176/PRC-10 RADIO RECEIVER- TRANSMITTER; PORTABLE UNIT OPERATING FROM 38 to 54.9 Mhz FM VOICE COMMUNICATIONS. THE RECEIVER SECTION HAS AN IF OF 4.3 Mhz AND AN AUDIO OUTPUT IMPED. OF 600 OHMS. TRANSMITTER OUTPUT IS 0.9 WATTS WITH A NORMAL RANGE OF ABOUT FIVE MILES. MICRO- PHONE INPUT IMPED. 150 OHMS. BOTH RECEIVER AND TRANSMITTER SECTIONS ARE CONTINUOUSLY TUNEABLE. WITH CONTROLS FOR VOLUME, TUNING, SQUELCH, POINTER ADJUST AND DIAL LOCK. CONNECTOR FOR EXTERNAL SPEAKER. WITH TUBES 9/5678, 2/5672, 3/5676, 1A4 AND 5A6. POWER REQUIRED: 135 VDC, 67 VDC AND 1 1/2 VDC. LESS BATTERY CASE. ACCESSORIES LISTED ELSEWHERE. SIZE: 9x3x10; WT: 9 LBS. RT-176/PRC-10 USED \$29.50

RT-174/PRC-8, SAME AS PRC-10 EXCEPT 20.0 to 27.9 Mhz. USED-COMplete, NOT CHECKED, \$30.

RT-175/PRC-9, SAME AS PRC-10, EXCEPT 27.0 to 38.9 Mhz. USED, COMPLETE, NOT CHECKED, \$35.

AM-598 AMPLIFIER-POWER SUPPLY, USED WITH PRC-8, -9, -10 WHICH PLUGS INTO TOP. FUNCTIONS AS AN AUDIO AMPLIFIER AND ALLOWS FOR 24 VDC OPERATION FOR THESE TRANSCEIVERS. WITH TUBES 2/26E6, 2/12AT7, 26Z5 AND 0C3. 11x11x11; 38 LBS. SH. USED, \$24.95

ACCESSORIES

CY-744/PRC BATTERY CASE f/PRC-8-9-10, \$6.00
AT-272A goose-neck antenna base, unused, \$2.
AT-271/PRC 7-section 8' whip antenna \$4.95
AB-129 RUBBER BASE f/AT-271 (PRC-8-9-10) \$3.
AB-591 RUBBER BASE f/AT-271 (PRC-25-77), \$4.
AM-598 SHOCKMOUNT \$5. AM-598 AUDIO CABLE \$6
M-29 MIC w/UG-77, \$4. M-81 MIC w/UG-229 \$8.
HANDSETS, H-33 w/UG-77 \$6. H-189 w/UG-229 \$12
LS-166/U LOUDSPEAKER w/UG-77.....Used \$10.95
GRC/VRC CONNECTORS, specify type and with what equipment used, \$3 each w/set purchase.
CX-1213 CONNECTOR ASSY. f/RT70 to AM65, \$6.
CX-1211 CONN. ASSY. f/RT66-7-8 to PP112, \$6.
Connector assy. sold only with set purchase.

PRC-6 WALKIE-TALKIE



RT-196/PRC-6 FM TRANSCEIVER, single channel crystal-controlled in the 47 to 55.4 Mhz range. Range: approx. 1 mile depending on terrain and conditions. Handheld unit has push-to-talk switch, volume control, ribbon antenna, carrying strap, and provision for H-33/PT handset. Uses type CR-23 crystal (not included or available). With tubes 6/5678, 3B4, 3/5672, 2/5676, and 2G21. Requires 1.5, 45, and 90 VDC. 15x5x4; 6 lbs sh. Used, \$18.95; MANUAL, \$7.50

CY-853/PRC-6 CASE, space and padding for 42 crystals; 6x2x6; 2 lbs. Used, \$3.80

ID-292/PRC-6 CHANNEL ALIGNMENT INDICATOR, plugs into RT-196 and indicates relative level voltages for B+ filament, osc. injection, limiter, discriminator output, and P-A grid. Also P-A current and calibrate adjust. Unit is basic VTVM with 1 1/2" sq. FS-500 ua-meter and 5678 tube. Power from set under test. ID-292, unused w/manual, spare 5678, \$22.95

GRC/PRC BATTERY TEST

AN/PSM-13 BATTERY TEST SET; DESIGNED TO CHECK GRC AND PRC-TYPE BATTERY PACKS INCLUDING BA-270, -279, -376, -377, -386/PRC-25, -398/PRC-25, -399, and -505. METER INDICATES BAD-GOOD (FS=1 MA). WITH ADAPTERS U-240, -241, -242, -297, -314, -315, -346 AND CANVAS CASE. SHPG. WT: 7 LBS. PRICE: USED, EXCELLENT, \$24.95

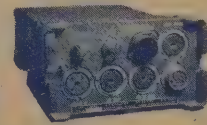
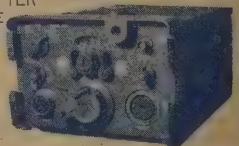


ME-61/GRC FIELD STRENGTH METER 1.4 to 24 Mhz in THREE RANGES. WITH VARIABLE TUNING, SENSITIVITY CONTROL, 1 1/2" SQUARE METER, PHONE JACK AND ANTENNA. SIZE: 5x5x4; WT: 5 LBS. UNUsed, \$24.95



RT-70 RECEIVER-TRANSMITTER 47 to 55.4-Mhz FM VOICE COMMUNICATIONS.

FEATURES CONTINUOUS TUNING OR TWO PRE-SET CHANNELS AND PUSH-TO-TALK TRANSMISSION. THE RECEIVER CIRCUIT IS THE DUAL CONVERSION TYPE WITH THE 1ST IF IF Mhz AND THE 2ND IF 1.4 Mhz. WITH VARIABLE SQUELCH CONTROL. 600 OHM AUDIO OUTPUT IMPEDANCE. THE TRANSMITTER CIRCUIT HAS A 500 MW OUTPUT AND AN AUDIO INPUT IMPED. OF 150 OHMS. POWER REQUIRED: 90 VDC @ 80 MA, 6.3 @ 360 MA AND 6.3 @ 160 MA. WITH TUBES: 6/1U4, 3/1L4, 2/1R5, 1S5, 1A4, 4/3Q4, 3A5, AND 3B4. RELATED ACCESSORY EQUIPMENT LISTED ELSEWHERE. SIZE: 4 1/2x13x8 WT: 20 LBS. USED \$25.00



AM-65/GRC AUDIO FREQUENCY AMPLIFIER; THREE CHANNEL AUDIO FREQ. AMPLIFIER USED FOR INTERPHONE AND MONITORING OF VARIOUS TYPE GRC REC-TRANS. POWER REQUIRED: 135 VDC @ 35 MA AND 6. 12 OR 24 VDC.

Size: 4 1/2x13x8 WT: 17 LBS. USED \$14.95
PP-282/GRC 24 VDC POWER SUPPLY used AM-65 and RT-70. Plugs into AM-65 and the voltages for both AM-65 and RT-70. 4 1/2x6x3, 6 lbs. Used \$5.

PP-281/GRC VIBRATOR POWER SUPPLY, same as above but requires 12 VDC input. Used \$14.95

COMBINATION OFFER

when the RT-70, AM-65 and PP-282 are purchased together, all three for \$35.00

COMBINATION OFFER with PP-281 12 VDC supply instead of PP-282 24 VDC supply, \$45.00

TECH MANUALS WITH SCHEMATICS FOR:
RT-196/PRC-6...\$7.50
PRC-9A-10A...\$7.50
RT-66, 67 & 68...\$5.00
RT-70...\$5.00
R-108, 109 & 110...\$7.50
AM-598.....\$3.00
PP-109 & 112.....\$5.00
PP-109 & 112.....\$5.00
AM-65.....\$7.50
AN/VRC 13-15 or AN/VRC 16-18, CONTAIN INFO & SCHEMATICS ON RT-66, 67, 68, R-108, 109, 110, PP-109, 112, VAR. MTG. CONTROL BOX ES. \$7.50

HIGH
BAND

FM — TRANSMITTER — RECEIVERS

LOW
BAND

R-394/U. RECEIVER F.M. 152-172 MC.
SINGLE CHANNEL CRYSTAL CONTROL
DUAL CONVERSION, CRYSTAL FREQ.
RANGE 24.033 TO 27.7 THIRD OVER-
TONE, TYPE CR-32/U, I.F. FREQ.
7.8 MC & 455 KC. 15 KC DEVIATION,
OUTPUT IMPEDANCE 8 OHMS, POWER
6 WATTS, SQUELCH AND MUTING CIRC.
MODULAR CONSTRUCTION WITH PLUG-IN
UNITS FOR EASY SERVICING.
1ST R-F AMPL. UNIT W/TUBES 1/5840
2/1AD4.....LOCAL OSCILLATOR UNIT
W/TUBES 2/1AD4, 1/5678, 1/VR31-5783
.....1ST I-F 7.8 MC UNIT W/TUBES
3/5678.....2ND I-F AND DISCRIMINATOR UNIT WITH
TUBES 1/5678.....AUDIO AND SQUELCH UNIT WITH
TUBES 3/5678, 1/5672, 1/6AK6 ALSO 455 KC SELECT-
TIVE FILTER UNIT WHICH IS WIRED, NOT PLUG-IN.
[ILLUSTRATION SHOWS THE PLUG-IN UNIT AND THE
COMPARTMENT WHERE THE POWER SUPPLY IS ALSO
PLUGGED INTO. COVER IS SUPPLIED AND HELD IN
PLACE BY A SPRING LOADED FASTER.
POWER SUPPLIES, CONNECTOR, CONTROL UNIT AND
OTHER ITEMS THAT ARE USED WITH THIS SET ARE
LISTED ELSEWHERE ON THIS PAGE.
Size: 8 $\frac{1}{2}$ x5 $\frac{1}{2}$ x14 $\frac{1}{2}$; WT: 19 LBS.
PRICES: USED GOOD CONDITION.....\$14.95
GOV'T RE-CONDITIONED.....22.50

R-257 RECEIVER 25 TO 50 MC FM
SAME AS R-394 RECEIVER ONLY
DIFFERENT FREQUENCY RANGE.
USES ALL THE SAME ACCESSORIES
POWER SUPPLIES, TUBES ETC.
SAME SIZE AND WEIGHT.
USED \$14.95

T-208/U TRANSMITTER F.M.
25 TO 50 MC 25 WATTS.
SINGLE CHANNEL CRYSTAL
CONTROL, 15 KC DEVIATION,
VOICE ONLY TRANSMISSION.
CRYSTAL UNIT CR-27/U, FREQ.
RANGE 1,562.5 TO 3125 KC.
X 16 FOR ALL FREQUENCIES.
100 MV CARBON MIC. WITH
TUBES 3/2E24, 1/3B4, 2/5672
4/5678 & 3/1AD4.
VOLTAGES REQUIRED ARE AS SHOWN WITH DYNAMO
TORS DY-93/12 V, DY-98/24 V, DY-100/6 V.
Size: 8 $\frac{1}{2}$ x4 $\frac{1}{2}$ x14 $\frac{1}{2}$; WT: 11 LBS. USED \$18.95

CHASSIS CONNECTORS TO
FIT R-394, R-257, T-416
T-278, T-208 & SUPPLIES
TRANSMITTER PLUG P-401 CHASSIS CONNECTOR NO'S
J-801, CANNON# DPD-A32C2-33S-2L \$2.50
RECEIVER PLUG R-252; CHASSIS CONNECTOR NO'S
J-803, CANNON# DPD-A31C1-33S-2L \$2.50
POWER SUPPLY PLUG P-1203; CHASSIS CONNECTOR
NO'S J-802, CANNON# DPD-30-33S-22 \$2.50
UG-77 PLUG ON 4 $\frac{1}{2}$ FOOT CORD.....\$1.00
H-33/PT HANDSET ON 4 $\frac{1}{2}$ CORD WITH UG-77 U 5.95

RF MONITOR

ID-642/FSA RADIO
FREQUENCY MONITOR.
USES DIRECTIONAL
COUPLER WITH IN-21B
DIODE TO MONITOR RF
VOLTAGE LEVEL. DC VOLTAGE IS AMPLIFIED TO
TRIGGER A 24 VDC RELAY (6.5 MA 4PST) OVER A
POWER SCALE OF 25-200. UNIT WAS PROBABLY
CALIBRATED INTO A STANDARD LOAD. REQUIRES
HN CONNECTORS. WITH TUBES: 2/0A2, 5751, 5670
6X4, AND TJ791K101 CURRENT-REGULATOR. POWER
REQUIRED: 115 VAC 60 HZ. Size: 11x19x10 $\frac{1}{2}$;
SHPG. WT: 20 LBS. UNUSED, W/SCHEMATIC, \$7.95

BC-604 F.M. TRANSMITTER 30 W.
FREQ. RANGE 20-27.9 MBZ. 10
PRE-SET CRYSTAL CONTROL CHAN-
NELS ARE POSSIBLE WITH THE
PROPER CRYSTALS. WITH TUBES
4/1619 & 1/1624. VOLTAGE REQ.
12 OR 24 VDC & 625VDC @ 225MA. Size: 18x11x $\frac{1}{2}$
10 $\frac{1}{2}$; 60 LBS. PRICE: UNUSED, \$25.00

TELEGRAPH-TELEPHONE SIGNAL
CONVERTER: CONVERTS 20 CPS
RINGING SIGNALS TO 1225/1600
CPS RINGING SIGNALS AND CON-
VERTS 1225/1600 CPS RINGING
TO 20 CPS. RINGING. POWER
REQ: 115V 60HZ. W/2EA. 12AU7, 12AX7, 6AL5, 6X4
Size: 11x7x10 $\frac{1}{2}$; 18 LBS. TA-182 USED \$25.00



SPECIFY
R-257 OR
R-394
R-257 OR R-394 RECEIVER CHASSIS ONLY LESS ALL
PLUG-IN UNITS AND FILTERS, WITH CONNECTORS &
COVER. SHPG. WT: 10 LBS. USED \$4.95
R-257 OR R-394 RECEIVER PLUG-IN UNITS ONLY
MX-1547 RECEIVER RELAY-SUBASSEMBLY \$4.95
1ST R.F. AMPL. W/TUBES 1/5840, 2/1AD4 \$3.95
LOCAL OSCILLATOR W/TUBES 2/1AD4, 1/5678 \$4.95
1/VR31-5783 & CRYSTAL. (NO CRYSTAL CHOICE)
2ND I-F AND DISCRIMINATOR W/ TUBES 5678 \$3.95
1ST I-F 7.8 MC. W/TUBES 3/5678 & CRYST \$4.95
AUDIO & SQUELCH W/TUBES 3/5678, 1/5672
-AND 1/6AK6- \$3.95
SELECTIVE FILTER 455 KC. (NOT SHOWN) \$2.95

VIBRATOR TYPE POWER SUPPLIES
FOR USE WITH R-394 & R-257
RECEIVERS. THE OUTPUT OF THE
SUPPLIES ARE THE SAME AND ARE
155 VOLTS-DC @ 15 MA.
150 " " @ 5 " "
140 " " @ 50 " "
-40 " " @ .5 " "
6.3 " " @ .45 AMPS.
6.3 " " @ 1.0 " "
1.4 " " @ 1.25 " "

PP-867/U 24 VOLTS DC @ 1.1 AMPS USED \$4.95
PP-868/U 12 " " @ 2.0 " " 9.95
PP-869/U 6 " " @ 3.7 " " WRITE AS TO
PP-846/U 115/230 V 60 CYC. 2 AMPS AVAILABILITY.
PP-804 115/230V. 60 CYCLE AC POWER SUPPLY
FOR T-417, T-208 AND T-278 TRANSMITTERS.
WRITE AS TO AVAILABILITY AND PRICE
C-844/U CONTROL UNIT FOR OPERATION OF RADIO
SET FROM REMOTE POINT. USED \$14.95

C-847 RADIO CONTROL BOX;
USED TO CONTROL THE SYSTEM,
HAS HEAVY ALNICO MAGNET 4"
SPEAKER FOR MONITORING REC.
CONTROLS FOR SQUELCH, VOLUME
ON/OFF SW. PILOT LIGHTS AND
RECEPTACLE FOR H-33 HANDSET WHICH HAS UG-77
Size: 9 $\frac{1}{2}$ x5 $\frac{1}{2}$ x3 $\frac{1}{2}$; WT: 6 LBS. USED \$8.95
H-33/PT HANDSET WITH CORD & UG-77 " 5.95

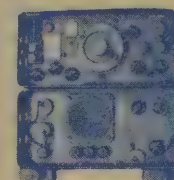
DY-93 DYNAMOTOR POWER SUPPLY
INPUT: 12 VDC @ 20 AMPS.
OUTPUT: 380 VDC @ 180 MA.
225 VDC @ 45 MA.
-25 VDC @ 5 MA.
USED WITH T-208 & T-278 TRANS.
Size: 8 $\frac{1}{2}$ x7x14; WT: 27 LBS.
PRICE: USED \$9.95

TRANSMITTER RECEIVER

RT-53/TRC-7 RECEIVER-
TRANSMITTER; 100-156
MHZ. A.M. VOICE, 1.5 W
CRYSTAL CONTROL ON 2
PRESELECTED CHANNELS,
1 $\frac{1}{2}$ " METER, PHONE, MIC,
& MONITORING JACKS, VOL.
CONTROL ETC. WITH TUBES
3/1AB5, 3/1L4, 1/1S5, 5/
3A5, 1/1LA3, 1/3Q4 & 2/3A4, VOLTAGES
REQUIRED 90 VDC, 60 VDC & 4 $\frac{1}{2}$ VDC.
Size: 11 $\frac{1}{2}$ x5 $\frac{1}{2}$ x13 $\frac{1}{2}$; 15 LBS. USED \$24.95

PRC POWER SUPPLY

PP-351 POWER SUPPLY,
DESIGNED TO PROVIDE
REGULATED DC POWER
FOR TESTING PRC-6,
-8, -9, -10; SCR-510,
-610; AND BC-1000
MANPACK TRANSCEIVERS. HAS METERING
FOR EACH OF FIVE VARIABLE OUTPUTS.
INPUT/OUTPUT CABLES NOT AVAILABLE.
Power required: 115/230 VAC 50-60 HZ.
25x11x14 $\frac{1}{2}$; 150 LBS. SH. USED, \$45.00



AN/GRR-5 RADIO RECEIVING
SET FOR USE IN THE 1.5 TO
18 MHZ RANGE, 4 BANDS 115
VOLTS 50 OR 60 CYCLE, 6,
12, 24 VDC OR DRY CELL
BATTERIES 90 AND 1.5 VDC.
CAN BE USED FOR OPERATION
THE SET CONSISTS OF THE
R-174 RECEIVER WHICH IS A
SUPERHETRODYNE RECEIVES
AM, CW AND MCW SIGNALS,
WITH CONTINUOUS TUNING
AND FACILITIES FOR PRESETTING ANY 10 CHANNEL
FREQ., 200 KHZ CRYSTAL CALIBRATOR, 455 KHZ IF
WITH TUBES 1/3V4, 3/1R5, 3/1L4 & 1/1U5. THE OUT
PUT OF THE REC. IS FEED INTO A HEAVY DUTY 4"
SPEAKER THAT IS PART OF THE PP-308 POWER SUP-
PLY AND TO OUTPUT PHONE JACKS ON THE REC.
PP-308 POWER SUPPLY FURNISHES ALL THE VOLTAGE
REQUIRED WHEN ANY OF THE POWER SOURCES ARE
APPLIED AS STATED ABOVE AND IT ALSO CONTAINS
THE SPEAKER. BOTH UNITS ARE MOUNTED IN A TWO
COMPARTMENT CABINET THAT IS SHOCKMOUNTED.
PP-308 IS SUPPLIED WITH TUBES 2/6AG7, 1/1007 &
1/0B2.
Size: 13 $\frac{1}{2}$ x8 $\frac{1}{2}$ x12 $\frac{1}{2}$; WT: SHPG. 75 LBS. ACTUAL 62

Price: Used reparable \$49.50; Checked \$79.50
POWER INPUT PLUG, \$3.00 with purchase of set.
DC cord, 10 foot, \$1.50; MANUAL, \$7.50



CY-938 ELECTRICAL EQUIPMENT CABINET; USED TO
HOUSE RECEIVERS R-394 OR R-257, TRANSMITTERS
T-208 OR T-278 AND POWER SUPPLIES DY-93 OR DY-
98 OR DY-100 FOR THE TRANSMITTERS.
Size: 17 $\frac{1}{2}$ x11 $\frac{1}{2}$ x25; WT: 33 LBS.
PRICES: USED \$7.95

T-278/U TRANSMITTER F.M.
152 TO 174 MC APPROX. 30
WATTS, CRYSTAL CONTROL ON
ANY TWO (2) PRESET FREQ.
PHASE SHIFT MODULATION 15
KC DEVIATION, CR-27/U CRY-
STAL UNIT FREQ. RANGE
4750-5437.5 KC. MULTIPLIED
32 TIMES. WITH TUBES 2/
3B4, 3/2E24, 4/5678, 2/5672
AND 2/1AD4.
VOLTAGES REQUIRED AS SHOWN WITH DY-93 DYNAMO
TOR ELSEWHERE ON THIS PAGE. USED \$18.95
Size: 8 $\frac{1}{2}$ x4 $\frac{1}{2}$ x14 $\frac{1}{2}$; WT: 12 LBS. UNUSED \$24.95
T-278 TRANS. LESS TUBES AND CRYSTAL OVEN \$6

CX-2371 CABLE ASSEMBLY
USED FOR CONNECTING R-
394-257 REC., T-208-
278, 416, 417 TRANS.
TO THE VARIOUS CABIN-
ETS SO THE UNITS CAN
BE SERVICED OUTSIDE
THE CABINETS.

CX-2341 CABLE FOR CONNECTING CONTROL
BOX TO CABINET. NO PLUGS ON CABLE.
5 FOOT LENGTH \$5. MAXIMUM LENGTH 15'

PP-638/U POWER SUPPLY USED WITH AM-494
& AM-495 POWER AMPLIFIERS. INPUT 115/
230 VOLTS 50/60 CYCLE. OUTPUT 1100 VDC
3320 MA, 230 VDC @ 60 MA AND 6.3 VAC
@ 5.2 A. 2 $\frac{1}{2}$ " RUGGEDIZED METERS 50 MADC
500 MADC AND 1.5 KVDC ALSO BLOWER FOR
COOLING. UPPER COMPARTMENT SIZE 15Wx
9 $\frac{1}{2}$ H X 8 $\frac{1}{2}$ D.
Size: 31 $\frac{1}{2}$ x 20 $\frac{1}{2}$ x 24 $\frac{1}{2}$; WT: 150 LBS.
PRICE: RE-NEW \$100.00 \$10.95

SPEAKERS

IS-166/U LOUDSPEAKER, housed in cast-
aluminum case, speaker is 4" dia. with
heavy-duty PM magnet, 600 ohm matching
transformer with 8 ohm output and HI-
LO switch, 6 foot cord with UG-77 con-
nector. Unit is used with most GRC/VRC
radio sets. 5x5x3 $\frac{1}{2}$, 5 lbs. Used, \$10.95

FT-237 VEHICULAR RADIO MOUNTS for BC-603/683 & BC-604/
684; 75 lbs sh. Used-some corrosion, \$20. Unused \$28.
FT-250 MOUNT for BC-620 or -650; 18 lbs. Used, \$18.00



RECEIVER POWER SUPPLIES AND SPEAKER FOR THE FOLLOWING:
 R-23/ARC-5 BC-453 BC-342
 R-24/ARC-5 BC-454 BC-344
 R-25/ARC-5 BC-455 BC-348
 R-26/ARC-5 BC-946 BC-429
 R-27/ARC-5 R-108, 109, 110

COMPLETE WITH DYNAMIC SPEAKER HOUSED IN A METAL CABINET WITH CONNECTING CABLE, PLUG, PHONE JACK, VOLUME CONTROL, BFO SWITCH, ETC. IF APPLICABLE. CAN ALSO BE USED FOR OTHER SETS. OUTPUT: 200/250 VDC @ 90/60 MA AND 24 VAC @ 2 AMPS. INPUT: 115 VAC 60 HZ. PLEASE SPECIFY THE TYPE SET. DIMENSIONS AND PARTS OF THE POWER SUPPLIES MAY VARY WITH AVAILABILITY OF MATERIALS. 9 1/2 x 6 1/2 x 5. WT: 10 LB. PRICES: KIT OF PARTS, \$22. WIRED, \$27.00

BC-348 RECEIVER POWER SUPPLY with speaker, similar to above. Kit, \$22. Wired, \$27.00

TEN THOUSAND VOLT DC TO DC power supplies, p/o Sanders video display. Requires 10-15 VDC 1 amp 5-7 KHz square wave at TTL levels to drive the output amplifier.

MODEL 13904 uses 2/2N3055 xistors or equal. MODEL 11665 uses one TO-3 xistor. No schematic. 10x5x5, 5 lbs.

#13904 \$12.95 \$9.95 #11665 \$7.95 \$10.95

PE-110 POWER SUPPLY FOR BC-669 TRANSMITTER-RECEIVER. INPUT 115 VOLT 60 CYC. OUTPUT 520 VDC @ 420 MA. A 12 VDC VIBRATOR TYPE POWER PACK WITH AN OUT PUT OF 275 VDC @ 64 MA THAT PLUGS INTO THE CHASSIS SERVES AS A RECEIVER STANDBY. INCLD. FOUR 5Z3 TUBES, RESET CIRCUIT BREAKERS, A.C. OUTLETS, AND SUFFIX LETTER, TUBE COMPLEMENT AND SIZE MAY VARY. 20x9x12; 75 LBS. USED REPARABLE \$25

PP-484/FGC-5 VOLTAGE REGULATED POWER SUPPLY OPERATES FROM 115/230 VOLT 50/60 CYCLE 1 RH. OUTPUT 115 VDC 100 MA. 225VDC 550 MA.; 4/6.3 VAC 12 AMP. -6.3V BIA. WESTON 301 METERS 3 1/2" 0-10 VAC; 0-200 VDC & 0-500 VDC; W/ TUBES 2/3B28, 2/2050, 2/12AU7, 6Y6 & 504. ALSO 2 AC OUTLETS ON FRONT PANEL. 19x11 1/2 x20; WT: 150 LBS. USED \$29.95

GILBERT AMERICAN FLYER TOY TRANSFORMER, INPUT: 120 VAC 60 HZ. OUTPUT: 7 TO 18 VOLTS AC. CONTROL READS 0 TO 120 MPH. WITH AC CORD AND OUTPUT BINDING POSTS. SIZE: 3 1/2 x 5 1/2 x 3 WT: 6 LBS. GILBERT #22034 Used, \$3.95

FGC-29/1660 POWER SUPPLY INPUT 115/230 VOLT 50/60 HZ OUTPUT: 225 VDC 100 MA. 6.3 VCT 4A. 6.3 V 1.5 A. INCL. FIL. 2/2021 TUBES 11x5 1/2 x4 1/2; 23 LBS. REM \$15

FGC-29/1640 POER SUPPLY: INPUT, 115/230 V. 50/60 HZ. OUTPUT, 40 VDC 30 MA OR 35VDC 40 MA 6.3V 1.4A INCL. FILAMENT 6x4. 5 1/2 x3 1/2 x4 1/2; 8 LBS. REMOVED \$10

SOLA CONSTANT VOLTAGE DC POWER SUPPLIES; 19" x 6" 40 lbs. sh wt. \$14.95

SOLA #	INPUT	OUTPUT
28238	180/240 200/260	200 VDC 1.5 A
28239	"	120 VDC 1.1 A
		20 VDC 2.0 A
28232	115/208/230	120 VDC 2.0 A
28266	115/208/230	20 VDC 4.0 A

#237 CONSTANT VOLTAGE TRANSFORMER, 6.5 V 25 amp output from 90-130 VAC 60 Hz input, \$15.

VERY HIGH VOLTAGE

DC POWER SUPPLY WITH 107-125 VAC 60 HZ PRIMARY. TWO OUTPUTS: -5.4 TO 5.75 Kv. @ 140 TO 300 u-A. ONE OUTPUT: -5.1 TO 5.3 Kv. @ 100 TO 270 u-A. SIZE: 12 1/2 x 2 1/2 x 4 1/2 WT: 10 LBS. GE #9T63Y2029G6, Used, \$10.95

DC. SUPPLIES

OPERATE FROM 115 VOLTS 60 CYCLE AND ARE COMPLETE WITH TRANSFORMER, RECTIFIER, CAPACITOR, SWITCH, LINE CORD, PILOT LIGHT, LINE FUSE ETC. INDICATED RATINGS ARE FOR LOAD CONDITIONS.

OUTPUT 12 VOLT D.C. 2 AMPS.
 SIZE: APPROX. 5x10x2; WT: 10 LB.
 STK. # 12VDC2A.
 PRICES: COMPLETE WIRED \$15.95
 KIT OF PARTS 11.00

OUTPUT 24 VOLT D.C. 2 AMPS.
 APPROX. SIZE: 5x10x2; WT: 12 LB.
 STK. # 24VDC2A.
 PRICES: COMPLETE WIRED \$20.95
 KIT OF PARTS 15.95

OUTPUT 12 VOLT D.C. 4 AMPS.
 APPROX. SIZE 5x10x2; WT: 12 LB.
 STK. # 12VDC4A.
 PRICES: COMPLETE WIRED \$19.95
 KIT OF PARTS 14.95

OUTPUT 24 VOLT D.C. 4 AMPS.
 APPROX. SIZE: 5x10x2; WT: 14 LB
 STK. # 24VDC4A
 PRICES: COMPLETE WIRED \$23.95.
 KIT OF PARTS 18.95

LENKURT MODEL 5047A POWER SUPPLY,

INPUT: 115 VAC 60 HZ.
 OUTPUT: 24 VCT. 10 AMPS AC AND 160V. 150 MA DC.
 CONSTRUCTED ON AN ALL-ALUMINUM CHASSIS WITH VENTILATED ALUMINUM COVER WITH FLIP-LOCKS. (NOT SHOWN)
 SIZE: 19 1/2 x 7 1/2 x 10 1/2 WT: 45 LBS. \$19.95

COMPUTER POWER SUPPLIES

SOLID STATE POWER SUPPLIES rated conservatively and constructed on rugged steel frames. Units have front voltage adjust *10% running light, AC reset. Also adjustable current limiting and overvoltage protection. Power input: 115 VAC 60 HZ. Removed from equipment.

RATING	SIZE	Sh wt.	#	PRICE
4 V 75 A.	20x19 1/2 x17	125 lbs.	650	\$60.00
12 V 15 A.	15 1/2 x13 1/2 x7	60 lbs.	654	\$70.00
12 V 25 A.	15 1/2 x19 1/2 x7	75 lbs.	928	\$90.00
12 V 35 A.	20x19 1/2 x17	100 lbs.	1235	write

REGULATED 48V 5A

REGULATED SOLID STATE POWER SUPPLY; OUTPUT: 48V. 5 AMPS. INPUT: 115 VAC 60 HZ. TRANSISTOR DEVICES MODEL SPS 828. SIZE: 16 1/2 x 8 1/2 x 3 1/2, SHPG. WT: 25 LBS PRICE: UNUSED, \$45.00

SCOPE POWER SUPPLY

HFE CRT POWER SUPPLY; HAS 6.5 KV LOW CURRENT OUTPUT WHEN USED WITH 10 VDC 1.75 AMPS DC-TO-DC INPUT CONVERTER. WILL PRODUCE 7.5 KV FROM 12 VDC INPUT. OTHER LOW CURRENT OUTPUTS OF -2500 AND -1500 VDC. TRANSISTORIZED WITH COVER AND CONNECTORS. 11x6x5 1/2, 10 LBS. USED, EXC., \$15.95
 HFE LOW VOLTAGE POWER SUPPLY; OUTPUT: 10 VDC 1.75 AMPS, ADJUSTABLE -1 V. INPUT: 115 VAC 60 HZ. TRANSISTORIZED WITH FUSE AND CONNECTOR. 10 1/2 x6 1/2 x4; 12 LBS. REMOVED F/EQUIP., \$7.95
 HFE CRT AND LV POWER SUPPLIES AS SET, \$20.00

BREAKER 12.5 VDC 2.5 AMP POWER SUPPLY; 4 AMP SURGE, 4 AMP CIRCUIT BREAKER, 4-5/8x2 1/2x6 1/2; SHPG. WT: 6 LBS. #13-110, NEW, \$20.

MULTIVOLTAGE POWER SUPPLY; HAS REGULATED OUTPUTS: +12 VDC 500 MA, -12 VDC 500 MA, AND 24 VDC 1 AMP. ALSO 7 VDC 10 AMP UNREGULATED, INTERMITTENT. REG. VOLTAGES ADJUSTABLE OVER SMALL RANGE. INPUT: 115 VAC 60 HZ; 9x5x6, 13 LBS. #LR32605, \$25.

UNUSUAL TUBES for collectors and experimenters. Filaments checked but not guaranteed.

JAN 218 RECTIFIER TUBE, 1/2 wave high vacuum; jumbo 3-pin base. 15 1/2"Hx5" dia \$10.
 MATCHLETT ML-500 HV TUBE, 15 1/2"H x 5" dia. \$12.00
 JAN 705A RECTIFIER, 4-pin base. 5"H x 2 1/2" dia. \$5.
 JAN 715B PULSE AMP TETRODE 4-pin base, similar shape as 705A; 5 1/2"Hx2 1/2" dia. \$6.
 WESTINGHOUSE CL-2 TUBE WITH-IN-A-TUBE, 12 1/2"Hx2" dia \$7.

TAYLOR TZ-20 zero-bias Class B audio, 20 W plate diss; 70 W/pair push-pull. 7.5 V fil, 4-pin base. Old--Unused w/data \$4.

MAGNETRONS

MAGNETRON TUBES LESS EXTERNAL MAGNETICS. USED, \$24 EA. SPECIFY:
 2J26 (2992-3019 MHZ); 2J28 (2939-2965 MHZ);
 2J29 (2914-2939 MHZ); 2J39 (3267-3333 MHZ);
 2J61 (2992-3100 MHZ); 2J62 (2914-3019 MHZ);
 725A (USED IN APS-4 RADAR).

S-300 TUBE (OPEN FILAMENT), 10" LG. 3" DIA. As-Is, \$4.

500 MHZ

TRANSMITTING TUBE 8012-A TRIODE

DIRECT WIRE FILAMENT: 6.3 V. 1.92 AMPS.
 MAX. PLATE: 1000 V. 80 MA. 40 W
 CAP: G-F 2.7; P-F 0.4; G-P 2.5
 MU 18; GRID CURRENT 20 MA
 CLASS "C"
 TELEGRAPHY 35 W W/DATA, UNUSED,
 TELEPHONY 20W \$2.00 EA. 4 FOR \$6.

8025 TRIODE, same as 8012 but 4-pin base, \$3.

ELECTRONIC PHOTO-FLASH TUBE R4330 SYLVANIA, OPERATING VOLTAGE 2250, 6 FLASHES PER/MIN 100 WATT-SEC/FLASH MAXIMUM, PEAK LIGHT OUTPUT 12,000,000 LUMENS, INTEGRATED LIGHT OUTPUT 3500 LUMEN SEC. FLASH. \$10 OCTAL CER.SOC. 50¢

FIELD TELEPHONES

EE-8 FIELD TELEPHONE, PORTABLE HAND-RINGING MAGNETO TYPE UNIT. OPERATES FROM TWO "D" CELL BATTERIES (NOT INCLD.) TWO OR MORE CAN BE USED IN A TWO WIRE SYSTEM UP TO 17 MILES IN LENGTH. WITH CARRYING CASE AND STRAP. 8x10x3 1/2; 18 LBS. USED, CHKD. \$50.

TP-3 FIELD TELEPHONE, PORTABLE, SAME AS EE-8 EXCEPT THIS UNIT DOES NOT REQUIRE FLASHLIGHT BATTERIES BECAUSE IT USES A SOUND POWERED HANDSET. SIZE: 8x10x4; 18 LBS. USED CHKD \$55

H-102 TELEPHONE HANDSET & SIGNALING UNIT FOR COMMUNICATIONS WHERE VOLTAGE IS AVAILABLE FOR OPERATING THE HANDSET AND THE UNIT'S RINGING CIRCUIT. REQUIRES 3 & 6 VDC. SIMILAR TO EE-8. 8x10x4; 15 LBS. USED, CHECKED, \$30.

12 VDC 4 AMP SUPPLIES

STACO SOLID-STATE 4 AMP DC POWER SUPPLIES--NEW--
 #FPS-4, filtered 12 V; 5x3x5 1/2, 5 lbs sh. \$12.95 2/\$22.
 #RPS-4, filtered and regulated 13.8 VDC; 5x3x6 1/2, 7 lbs.sh wt. \$18.95 ea. 2/\$35.00

CPS PRECISION HV POWER SUPPLIES, units are potted except for transistor control board and voltage adjust pot; 115 VAC 60 Hz input. With fuse and terminal for test meter. 10x5 1/2 x2 1/2, 16 lbs sh wt. Used.
 #CPS-5001P/1651, +4 to 5.25 KV 2 ma, \$17.95
 #CPS-5001P/1950, 19 KV 50 microamps, \$14.95


230 VDC TRANSISTORIZED POWER SUPPLY, 115 VAC 60 Hz input. Units marked "200 VDC" but they test at 240 VDC 300 ma. 5x4x5, 15 lbs. #3930, NEW, \$22

2PDT 48 VDC 3700 ohm coil;
5/8x1-7/8. MHX124 used \$1.

4PDT 48 VDC 3700 ohm coil;
1-5/8x2. MHX4069 used \$1.

6PDT 48 VDC 2 A 3700 ohm
coil. MHX6083, used, \$1.

5945-583-8378 26.5. VDC | 1 1/2 x 1
6PDT 225 OHM PLUG-IN N\$1.50



AGASTAT TIME DELAY
SF-22HS, DPDT 28 vdc
COIL, 0.3 SEC. ADJU
STABLE. SIZE 2x3 $\frac{1}{2}$ x2
PRICE: NEW \$3.95

Sealed SENSITIVE
RELAY, 50 ohm 28
ma coil; DPDT con-
tacts. Solder
hooks; 1x1x2 1/4.
#R400-2B-50, \$2.95

90 V 60 Hz 3PDT
octal KA4187 32.

115 VAC DPDT OCTAL
BASE KR-5737 \$2.50

4PDT 120 VAC, 3 AMP
CONTACTS; 28 VDC 3
A RES. PLUG-IN SOLD-
ER. $\frac{1}{2} \times 1 \times \frac{1}{2}$, #KH4695, \$1.50

4PDT 24 VDC, 120 VAC 3 A
24 VDC 3 A RES. CONTACTS.
PLUG-IN SOLDER TYPE.
1/2x1/2, #KH-4703, \$1.75 E

CLARE#	OHMS	CONTACTS			CURRENT	
		REG.	OPEN	CLOSED	OPERATE	RELEASE
A-102627	3500	4PDT	2PST		11 MA	3 MA
A-211261	5000	SPDT	4PST	2PST	12 MA	4 MA
C-211261	6000	SPDT	4PST	2PST	10 MA	5 MA
ALL ABOVE RELAYS SAME SIZE 1x1x1 1/2					\$1.00 EA.	

#DOUX-2055, 4-SPST n.o.: 1-24 VDC 1 A.; 2-120/240 VAC 20/10 A; 1-120/240 VAC 10/5 A. 24 VDC 230 coil NEW \$2

12 VDC 4PDT re-
lay simaltr to
P&B KHU-series.
115 VAC 3 amp
contacts; de-
signed for PC board sock-
et. #MEND-124P, \$2.95

ASCO VALVE, AIR ORFICE/PIPE
3/8" 120V 60HZ 6 WATTS.
#6030B10 NEW \$5.00

MINITURE RELAY 24VDC 180OHM
DPDT, 7/8x3/8x3/8, GE3SV125
9A2; 5945-739-2162 \$2.00

MINITURE PLUG-IN, 28VDC, 600
OHM, DPDT 2 AMP. FILTERS 1060
6555-1; #5945-987-8401 \$3.00


MAGNACRAFT SPDT, 12 VDC 10
amp contacts, 100 ohms.
Open frame; $1\frac{3}{4} \times 1\frac{1}{4} \times 1$.
#88X-150A NEW \$2.50 ea.

SENSITIVE RELAY;
6 VDC, ONE POLE
MAKE AND BREAK.
600 OHMS. $2\frac{1}{2} \times 2\frac{1}{2}$
 $\times 1\frac{1}{2}$. #ZA/CANI304

SENSITIVE RELAY BX-14 DPST
1 NORM. OPEN 1 NORM. CLOSED
48 VDC 1 A. OPERATING VOLT
AGE 2.9 V 750 OHMS D.C
2½x2½x1½; 227588-23 \$.75

TYPE AS BK35, SPDT 6-12 VDC
1500 OHMS, CONTACT ADJUST.
2 $\frac{3}{4}$ "x2 $\frac{1}{4}$ "x2 $\frac{1}{4}$ ".#RM39-1901 \$.75


LEACH P-3 SPDT relay, 1"sq.
320 ohm, 12 VDC. Used, \$1.
COLLINS relay #4050D17-00
115 VAC 320 ohm 3PST; 2x2
x2. #5945-502-9095, new \$3.



12 VDC 2PDT
CERAMIC IN-
SULATED re-
lay, 10 amp
contacts.

Also SPST norm. closed 5
amp contact. 67 ohm coil.
3x2x1 $\frac{3}{4}$. #CER1007 used \$5.


115 VAC 60 HZ DPDT
RELAY with 20 amp
contacts and octal
plug-in base. $1\frac{1}{2} \times$
 $1\frac{1}{2} \times 2\frac{1}{4}$; unused.
#BOHRX-20, \$4.95



GUARDIAN RELAY,
DPST norm open;
230 VAC 25 amp
contacts, 24
VDC 96 ohm coil.

AN-ART-13 RELAY
K-2701 DPDT; 12
AMP 28 VDC COIL
115 OHMS RES.
3x2x1 $\frac{3}{4}$ 4oz.
PRICE: USED \$1.95

TCS RELAY SAME STYLE AS
ABOVE USED IN POWER SUPPLY
12 VOLT D.C RES. 67 OHMS.
DPDT- SPST NORM OPEN.
LEACH#1077 RE-MOVED \$2.00




DYNAMOTOR START-
ING SELENOID
TYPE RELAY 12 V
DC OPER. 20 AMP
DC CONTACTS.
SIZE: 3x2x2; 1 LE
FRANZ-12 USED\$1

ROWAN CONTACTOR,
TWO POLE CONTACTS
RATED 15 A 250 VAC,
10/15 A 100/50 VDC.
COIL VOLTAGE 100/
115 VDC. 3-3/8x2 1/2
x2 1/2. ROWAN #FE20. USED. \$2

RELAY, IPDT & IPST,
CONT. 28VDC 1A. MAX.
PICK UP .9MA, DROP-
OUT .1MA. 16000 OHMS
OCTAL BASE.

SIG#80110 \$2.95
SPDT, SINGLE BREAK, 28
VDC | A. CONT. 800 OHMS DC
COIL, 3MA PICK-UP, 1.5 MA
HOLD, .75MA. MIN. OCTAL BAS
SIG#77912 \$2.95




ADVANCE SEALED RELAY
3 STUD MOUNTING, SOLID STATE
SIZE: 1 1/2 x 2 x 1 1/2; 2 oz.
PT#420-68-0211; 4PDT
26.5 VDC, RES. 325 OHMS, 2

AMP. CONT. \$1.50
PT#8797-1 26.5 vdc, 2 AMP.
CONT. 200 OHMS, 3PST NORM.
CLOSE, 1PST NORM. OPEN \$1.50
PT#420-68-5530; 26.5 vdc, 2
AMP. CONT. 425 OHMS, 3PST
CONT. 400 OHMS, 3PST

SPEC.#B8788-1 \$1.25

GE#3SBW1001A2 SPDT
9.6-15.8 VDC relay
206 ohm coil; used
in GE mobile trans
ceivers. F/solder
or socket connections. 1x1
x2. New, \$1.50. 24/\$25.00



ROTARY RELAY 28
VDC, operates
at 15 V; holds
at 5 V. 2 1/2x
1-3/8x2, 2 lb.
#5533/PK22, removed, \$2.


#81-3; 28 VDC rotary, 3PST
norm. closed. Unused \$2.50

#78RR; 28 VDC rotary relay
coil only. No switch or w/
broken wafers. Used \$1.25


#310/MK-II, 12 VDC coil w/
2/SPDT 10 amp, 1/SPDT 3 amp
and 1/SPST n. closed 3 amp
contacts. 2 1/2 x 2 x 1/4, used #3.

DUAL SPST MERCURY RELAY with normally open contacts rated 35/20 amps 115/

230 VAC 1.5 HP.
Coil 48 VDC.
Heavy wire leads.
3x3 $\frac{1}{2}$ x2 $\frac{3}{4}$, 3 lbs. sh. NEW.
Adlake #1123-100-30, \$7.50




ART-13 KEYING
RELAY & SPDT
VACUUM SWITCH
w/two 28 VDC 27
ohm coils in
series; con-
tacts 3/SPST n.
open, 1/SPST n.
closed., 2/SPDT rated 8 amps.
3x4x5. #K102/S116, used, \$9


 ROWAN CONTACTORS
 COIL 110V 50/60HZ
 FULL LOAD RUNNING
 CURRENT 10 AMP.
 LOCKED ROTOR
 CURRENT 60 AMP.
 600 V. MAX.

532934	3 POLE	USED	\$4.95
532935	4 POLE	USED	\$5.95

LEDEX

LEDEX HEAVY DUTY SOLENOID #S-8210-025, 8-position 45° stroke, 28 VDC Starting torque: 5 lb-in @ 35 watts (15 lb-in holding) continuous duty. Up to 32.8 lb-in starting torque. 700 watts 1/20 duty. 7S size: 2 1/2" dia x 1-7/8" with 3/8"x3/8" dia. shaft. 4 lbs. Unused, \$4.95



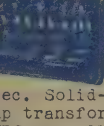
OPEN FRAME, SPDT 5-5-7.5 VAC coil; CONTACTS RATED 5 A 115 VAC. 1 1/2"x1-3/8" #5945-233-1398, \$1.25

ALLIED CONTROL T255X-18, coil 115 VAC 2580 OHMS. GOLD-PLATED OPDT CONTACTS RATED 5 A 29 VDC. 3/8"x7/8" x1-3/8". Unused, \$3.00 ea.

4PDT RELAYS, 110 VDC, heavy contacts. 2x2x1 1/2". Removed. #DOX187T, 5000 coil, \$2.00. #DOX137T, 24 VDC 230 A, \$1.50

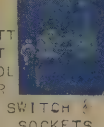
DPDT CERAMIC RELAY, 115 VAC 60 Hz, 10 amp contacts. Various styles; 2 1/2"x1 1/2". #CER-2F-10, used, \$3.95

TIME DELAY/SEQUENCE RELAY, has 3-SPDT & 1-SPDT 12 VDC 6 A. relays. Delay sequence ON/3.5s/5.0s/10 sec. Solid-state w/24 V 1 amp transformer, 250 mfd 50 VDC cap. 115 VAC 60 Hz input. 7 1/2"x3 1/2"x3 1/2". 3 lbs sh. #140-PI97C \$6.95

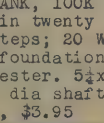


SIGMA DC RELAYS; OPEN-FRAME, 2 AMP CONTACTS, 1 1/2"x2 1/2"x1 1/2" REMOVED F/EQUIP. #41F500S-SIL, 6 VDC, \$1.00. #41F1000S-SIL 12 VDC, \$1.50


RHEOSTAT CONTROL UNIT FOR HEATED CLOTHING; 100 WATT 5.75 OHM RHEOSTAT MOUNTED IN CONTROL BOX WITH INDICATOR KNOB ALSO ON/OFF SWITCH & DUAL LOCKING TYPE SOCKETS FOR INPUT AND CONTROLLED OUTPUT VOLTAGES. SIZE: 5x4x2; WT: 3 LBS. TYPE C-1C UNUSUED \$2.95



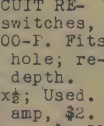
STEPPING RESISTOR BANK, 100K ohms in twenty 5K steps; 20 W. good foundation for tester. 5 1/2"x3 1/2"x1 1/2" dia shaft. 3 lbs. #227281.3, \$3.95



DIMMER CONTROL TYPE A-4 667498 150 OHM 50 WATT 2 1/2" MTG. HOLES, W/KNOB 2 LBS. \$2.50




E-T-A CIRCUIT RESET push switches, type 45-700-F. Fits into 3/8" hole; requires 2" depth. 0/A 1 1/2"x2 1/2"x1 1/2"; Used. 250 VAC 5 amp, \$2. 15 A, \$2.50



MAGAZINES

We carry current issues of these magazines: **CQ** \$2.00, **EST** \$2.50, **73**, \$2.95, **Ham Radio** \$2.50, **BYTE** \$2.50, **Kilo-Microcomputing**, \$2.95. Some back issues available.

OAK ROTARY SELECTOR 12-24 VDC; uses wafers w/1 1/2" hole spacing. Daven resistor and 12-pole shorting switch on first deck plus two decks progressive shorting (contacts not progressive). Also 2 1/2" extension for manual operation. 1 1/2"x1 1/2"x3 1/2". OAK #631595 new \$3.50



P & B KR-4175-1 DP-DT PLATE RELAY; sealed metal can, requires octal socket. 2 1/2"x1 1/2"x3/8". Unused, \$2.00

P & B 3PDT PLUG-IN TYPE RELAY WITH 24 VDC COIL. 120 VAC 10 A. CONTACTS. #KUP14D15, w/socket, \$2.95

AC CONTROL RELAY, 120 VAC coil; SPST N. OPEN 10 A. AND SPST N. CLSD. 10 A. CONTACTS. SEALED CAN, SOLDER TERM. 3 STUD MTG. 2 1/2"x1 1/2". #7321/6717, \$2.50

LOW CURRENT RELAY, 13 V. MIN.; 2500 ohm SPDT 10 A. CONTACT; USABLE F/ALARM CIRCUIT W/LOW STANDBY CURRENT 2x2x1; P&B#LM-1600-1 \$3.95

RHEOSTATS

RHEOSTAT VALUES:
FIRST SET OF NUMBERS AFTER RHEO-PREFIX IS THE WATTAGE. YOU INDICATE DESIRED OHMS IN SECOND SET. SCD= SCREWDRIVER ADJUST.

RHEO-25W-(ohms), \$1.25					
1	2	5	6	10	
12	15	25	35	50	
55	60	75	100	125	
130	164	174	200	250	
300	350	400	500	600	SCD
1K	1500	2500	2500	5000	

RHEO-50W-(ohms), \$1.75 ea					
1.5	2	6	6.5	10	
12	15	16	17.5	20	
25	30	35	40	45	
50	60	75	90	100	
124	150	200	225	350	
500	2.5K	5K	10K	220	

RHEO-75W-(ohms), \$2.25 ea					
10	15	25	75		

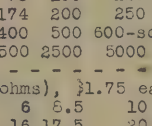
RHEO-100W-(ohms), \$2.75 ea					
3	5	7.5	20	64	
100	350	500	3K	3500	SCD

RHEO-150W-(ohms) \$3.50 ea					
15	16	25	750	2/245	SCD
300 W 32 ohm, chipped \$6.					

AIRPAK UF11-11-676 65 VDC 45 A; delay 51, trip 56.25 A. 2 1/2"x1 1/2"x1 1/2". NEW \$3.

#UPG1-1REC2, 65 VDC 1.25 amps; delay 51, trip 1.57 amps. Aux switch 10 amp 250 VAC. 2 1/2"x2 1/2", \$3.00

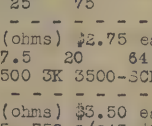
AIRPAK 112R, 240 VAC 60 Hz 10 amp; delay A spec, \$5.00



#CD2-210-1, Rt 0.035 A DC Cur P. Lt 68 A 270 VAC 60 Hz Cur 3. \$4.00

#CD2-274-2, 10 A 132 VAC 60 Hz T.D. 2; 125 A 10 VDC T.D. 3. \$4.25

#CD2-A3-DU, two 18 amp 240 VAC T.D. 1. \$4.50



Books for scanner enthusiasts from CRE Research by T. Kneitel, \$5.95 ea; all 3 for \$16.

AIR-SCAN, directory of aero band (108-136 Mhz).

ENERGY-SCAN, directory of energy industry frequencies.

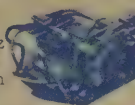
THE 'TOP SECRET' REGISTRY OF U.S. GOVERNMENT RADIO FREQUENCIES, surveillance & "sensitive" frequencies.

FEDERAL FREQUENCY DIRECTORY, 2-420 Mhz Inclusive by R. Grove. Comprehensive listing by frequency, agency, and location of unclassified gov't channels. \$14.95

SCANNERS

STEPPING SWITCH

115 VAC 60 Hz ratchet-type unit that can be wired to make up to seventeen contacts with electric reset. Size: 4 1/2"x3 1/2"x2 1/2", 2 lbs sh. Miller #1095288 \$2.95

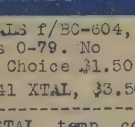


CRYSTALS

FT-241 CRYSTALS f/BC-604, 684; channels 0-79. No choice 3/1. Choice \$1.50

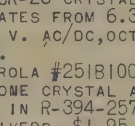
200 KHZ FT-241 XTAL, \$3.50

1000 KHZ CRYSTAL, temp. coeff. 0.0001% (+10 Hz/°C. Octal base; f/BC221-TS323-IM21 freq. meters. Socket wiring may be changed. \$12.



JK-02 CRYSTAL OVEN FOR CR-26 CRYSTALS. OPERATES FROM 6.3-24.2 V. AC/DC, OCTAL BASE. MOTOROLA #25B1001 FOR ONE CRYSTAL AS USED IN R-394-257 RECEIVERS. \$1.95

MOTOROLA #25B1003 FOR TWO CRYSTALS AS USED IN T-278-208 ETC. TRANSMITTERS \$2.50

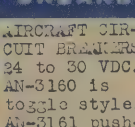


CIRCUIT BREAKER

AIRCRAFT CIRCUIT BREAKERS, 24 to 30 VDC. AN-3160 is toggle style. AN-3161 push-button type. Removed.

AN-3160 10, 15, or 20 amps, \$1.50 each.

AN-3161 5, 10, 15, or 20 amps, \$1.00 each.



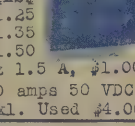
HEINEMAN MODEL A1121K, 2 1/2"x2 1/2"x1 1/2". 12 VDC 3 A \$1.25

50 VDC 3 A \$1.35

50 VDC 40A \$1.50

115 VAC 60 Hz 1.5 A, \$1.00

A11516HK, 100 amps 50 VDC Cur. 3; 4x3 1/2"x1. Used \$4.00

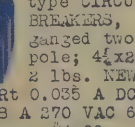


HEINEMAN CDE type CIRCUIT BREAKERS, ganged two pole; 4x2x4 2 lbs. NEW

#CD2-210-1, Rt 0.035 A DC Cur P. Lt 68 A 270 VAC 60 Hz Cur 3. \$4.00

#CD2-274-2, 10 A 132 VAC 60 Hz T.D. 2; 125 A 10 VDC T.D. 3. \$4.25

#CD2-A3-DU, two 18 amp 240 VAC T.D. 1. \$4.50



P&B #375-207-101, 7 amp 250 VAC or 32 VDC max. Recessed button. 1 1/2"x1 1/2". NEW, \$1.25

SCANNERS

BOOKS & TECH MANUALS

\$6.00 each	\$5.00 each
AM-598	F1-1175
FP-367-868	FC-143C
-869	RD-60
FP-281-282	AN/33C-1
-484	I-208
FP-846	AN/FDR-27
DY-92-98-100	
ARC-27 O.I.	
ARN-59 O.I.	

\$7.50 each
BC-312-342
BC-603-604
BC-683-684
BC-652-653
BC-659
BC-680
BC-1000
BC-1835
AN/FAC-6
PRC-9A-10A
AN/GRR-5
R-108-109
BC-221AH only
JA-28 repro
3-36 repro
FP-804
FP-109-112
JA-26
R-257
R-394
T-278-416
AN/ARN-12
AN/CRT-3

ARC-20 & 21 contains TT-98, -99, -100 and PP-978, \$10.

SCHEMATICS

REPRODUCTIONS of schematics \$1.50 and up. WHITE.

TEST EQUIPMENT MANUALS

AN/TRM-1 repro	\$10.00
AN/URM-25D repro	10.00
AN/URM-25F repro	10.00
AN/URM-25B repro	12.00
SG-12/URM-43 repro	12.00
TS-403/URM-61 repro	12.00
SG-3/URM-70 repro	10.00
FR-5/URM-80	7.50
TS-510/USM-44 repro	10.00
AN/USM-50 repro	10.00
AN/USM-105 repro	17.00
AN/USM-116 repro	10.00
AN/USM-117 repro	15.00
AN/USM-140 repro	17.00
FR-149/USM-159 repro	10.00
BC-221 f/most models	7.50

Reproductions \$2.50 each:

ME-62	ME-26	Q3-8
SG-92	TS-148	TS-352
TS-375	TS-382	TS-433B
TS-497B	TS-505	TS-1060
TV-7/U	TP-173B	
TV-2 or TV-10A, \$10 each.		

TEK CA \$8.50

H	6.00	TKG	W	6.00
1A1	7.50	1A2	7.50	
1A4	7.50	1A5	7.50	
82	8.50	130	6.00	
131	6.00	132	6.00	
453	8.50	556	8.50	

HICKOK 1805 repro \$15.00

TOOLS & TECHNIQUES FOR ELECTRONICS by A.A. Hicks; deciding the tool and technique for the job, \$4.95

TI SEMICONDUCTOR MEMORY BOOK (1975), 272 pp, \$1.00

ARRL BOOKS

1981 RADIO AMATEUR'S HANDBOOK \$10

SOLID STATE BASICS f/amateurs \$5.

SOLID STATE DESIGN f/amateurs \$7.

ANTENNA BOOK, theory and instruction on antennas, \$5.

ANTENNA ANTHOLOGY, articles from QST on antennas, \$4.

LICENSE MANUAL, a study guide for the novice, \$4.00

UNDERSTANDING AMATEUR RADIO, an introduction, \$5.00

A COURSE IN RADIO FUNDAMENTALS, structured intro. \$4.

OPERATING GUIDE, \$4.00

HINTS & KINKS, \$4.00

FM & REPEATERS f/QST, \$4.

SINGLE SIDESWAP f/QST, \$4.

RADIO FREQUENCY INTERFERENCE, \$3.

L/C/F CALCULATOR \$3

TUNE IN THE WORLD OF HAM RADIO, wkbook & cassette, \$7.

BASIC BOOK OF HAM RADIO, \$7.

WEEKEND PROJECTS, \$3.00

ELECTRONICS DATA BOOK, circuit collection f/radio, \$4.

VINTAGE RADIO

VINTAGE RADIO 1897-1929, pictorial story of radio's early years; 1000+ pictures and commentary, 286 pp. Softbound, \$9.95; Hardcover \$12.95

A FLICK OF THE SWITCH 1930-1950, sequel w/TV, \$9.95

1921-1932 RADIO COLLECTOR'S GUIDE, listing of over 9000 radios, 1100 mfgs; 263 pp. Softbound, \$9.95

MOST-OFTEN-NEEDED 1926-1938 RADIO DIAGRAMS, reprint of Beitman's book of 600 old radio schematics, \$7.95

Notes: All manuals include maintenance info & schematic unless noted otherwise. O.I. Operating info only M.S. No schematic repro -Partial reproduction w/operating, maintenance info & schematic.

AN/ARC-5 BENCH TEST and ALI HMMT, covers necessary info to align R-23A, R-148, R-25-26-27 receivers; T-18 thru T-22 xmitters; and MD-7 modulator. w/schematics; repro. \$7.50	

AN/ARC-27-55	\$15.00
AN/ARC-38 repro	17.00
AN/ARC-28A repro	30.00
RT427/ARC-39 repro	10.00
AN/ARC-44	8.50
ARC-60 (R19-CV431)	8.50
ARC TYPE 12 including R-10-11-15-19, T-11-13, and related equip.	8.50
AN/ARK-30 repro	10.00
R-648/ARR-41 repro	15.00
AN/ART-13 transmitter	
only, repro	12.00
AN/ARF-4 repro	10.00
AN/ARC-9	8.50
AN/ARC-10	8.50
AN/ARC-19	10.00
AN/ARC-55 (GRC-14 including R808/7631/FP1171) \$20	
AN/TRC-1 (T-14, R-19, and AN-8 pwr amp)	8.50
AN/TRC-8 (TSO/R-48)	8.50
AN/VRC-19 (R-394, T-278, DY93-98-100 PP867-9	8.50
BC-AS-229	7.50
BC-348-J-N-Q repro	10.00
BC-348-K-I-R repro	10.00
BC-624/625 repro	12.00
BC-659 repro	8.50
BC-689 repro	8.50
BC-779/1004	10.00
CV-157 repro	15.00
CV-591 (MSR-4) repro	8.50
R-140 (HRO-5) repro	10.00
R-220/URR-29	10.00
R-274 repro	12.00
R-388 (5173) repro	10.00
R-390 repro	15.00
R-390A maintenance	12.00
R-392 repro	12.00
SP-600-JX repro	10.00
T-195	8.50
TCS-12 repro	12.00

U.S. ARMOR COMMUNICATIONS ELECTRONICS DATA (book), July 1973; descriptions of mil-radio equipment, \$3.00

THE CHALLENGE OF 160 by Si Dunn; geared to the amateur who wishes to successfully work 160 meters. NEW, \$4.95

RTTY from A to Z, \$5.00

NEW RTTY HANDBOOK, 3.95

THE LOW & MEDIUM FREQUENCY RADIO SCRAPBOOK by W2LMB, \$6.95; ADDENDUM 77/8 \$3.95

225-399.9 MHZ RECEIVER



R-278 RECEIVER, 225 to 399.9 Mhz AM; crystal frequency control for 1750 channels in 100 KHz steps; ten preset channels. Audio freq response: 200 Hz-20 KHz (wide), 200-5 KHz (narrow). Has AVC, squelch, and 44 tubes; unitized chassis, rackmount. 12 1/2 x 19 1/2 x 20, 115 lbs sh wt. Used, less guard channel, repairable, \$150.00 MANUAL, partial repro, \$15. Schematic, \$2.50

Used, less guard channel, repairable, \$150.00 MANUAL, partial repro, \$15. Schematic, \$2.50

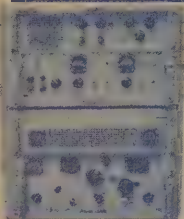
R-648/ARR-41 RECEIVER

R-648/ARR-41 RECEIVER 190-550 KHz and 2-25 Mhz AM-CW in five bands. Mechanical digital-type tuning in 1 KHz steps. 500 KHz final IF; mechanical filters 1.4



and 6.0 KHz. Controls for BFO, sensitivity, broad-sharp voice or CW, and dial lock. With tubes 2/5726, 7/5749, 2/5750, 2/5814, 5654, 5686, 6AU6, and 0A2. Requires 24 VDC 4 amps input for dynamotor. 7 1/2 x 16 1/2 x 3 1/2, 35 lbs sh. Used, repairable, \$145.00; Checked, \$205.00 MANUAL, partial repro, \$15. Schematic, \$2.50 Power input connector, \$5.00 w/set purchase.

2-32 MHZ SSB RECEIVER



AN/FRR-59A TRIPLE CONVERSION SSB RECEIVER WITH FULL CARRIER SUPPRESSION FROM 2 TO 32 MHZ IN FOUR BANDS: (2-4) (4-8), (8-16), AND (16-32) MHZ. RECEIVES LSB, USB, AM, CW, AND MCW SIGNALS; LSB AND USB RECEPTION POSSIBLE SIMULTANEOUSLY OR SEPARATELY. INCREMENTAL OR CONTINUOUS DIGITAL TUNING IN 0.5 KHz STEPS. INTERMEDIATE

FREQUENCIES (1F): 1625-1725 KHz, 220 KHz, AND 80 KHz. BUILT-IN 1 MHZ CRYSTAL CALIBRATOR. AF LINE OUTPUT: 60 MW INTO 600 OHMS (MIN.); PHONE OUTPUT: 15 MW INTO 600 OHMS (MAX.). RECOMMENDED ANTENNA TERMINAL IMPEDANCE: 50 OHMS. USES 7- AND 9-PIN 6.3 V. GLASS TUBES. POWER REQUIRED: 105-125 VAC 50/60 Hz (250 WATTS). SIZE: 25 1/2 x 22 x 24; SHPG. WT: 300 LBS. NET WT: 250 LBS. PRICE: USED, REPAIRABLE \$375. CHECKED, \$475.

AM-777 AMPLIFIER-DETECTOR, PART OF RT-128A/ARC-21 (2-24 Mhz) TRANSCIEVER. 1ST IF-1800 KHz; 2ND IF-300 KHz. REQUIRES 1800 KHz SIGNAL INPUT AND 500 KHz INPUT FOR MIXER AND TRIPLER STAGES. SLUG-TUNE ADJUSTMENT. WITH TUBES 4/5636, 3/5896, 3/5899, 3/6021, 5840, 5902, AND 5719. SCHEMATIC INCLD. 13 1/2 x 23 1/2, 5 LBS. SH. \$10.00

1700-2400 MHZ RECEIVER

R-418/TRC-29 MICROWAVE RECEIVER WITH PP-690 AC POWER SUPPLY. FREQUENCY RANGE: 1700-2400 Mhz FM UTILIZING 27 PRESET CHANNELS. IF=120 Mhz; VIDEO OUTPUT: 30 Hz to 4.5 Mhz, -3 to +7 DBM, 158-500 MV-RMS. NOISE FIGURE: 14-16 DBM. 50 OHM ANTENNA INPUT. HAS TWO METERS FOR CIRCUIT TEST AND ALIGNMENT PROCEDURES. RECEIVER USES 68M6 KLYSTRON OSCILLATOR AND 28 OTHER TUBES. POWER SUPPLY HAS 18 TUBES. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 19 1/2 x 19 1/2 x 19 1/2 (R-418); 12 1/2 x 19 1/2 x 19 1/2 (PP-690). SHPG. WT: 200 LBS. Unused, \$165.00



BC-610 TRANSMITTER, 2-18 Mhz CW, voice, RTT. Output: 400 W CW, 300 W voice. 115 VAC 50-60 Hz 2000 W power required; 450 lbs sh. Sold less tuning units, coils, 250TH PA tube and two 100TH modulator tubes. Used, \$400.00

BC-348 RECEIVER

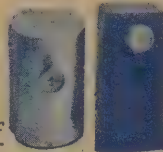


BC-348 RECEIVER, 200 to 500 KHz AND 1.5 to 18 Mhz AM AND CW IN SIX BANDS. FEATURES CRYSTAL FILTER, MANUAL AND AUTOMATIC VOLUME CONTROL, AND BFO. INTERMEDIATE FREQUENCY: 915 KHz; OUTPUT IMPEDANCE: 300 OR 4000 OHMS. "Q" OR "R" MODELS SHIPPED ACCORDING TO AVAILABILITY. TUBE LINE-UP VARIES AMONG MODELS. SOLD LESS THE DYNAMOTOR POWER REQUIRED: 220 VDC 70 MA AND 24 VDC. SIZE: 18 x 10 1/2 x 9 1/2; SHPG. WT: 44 LBS. PRICE: USED, REPAIRABLE, \$75; CHECKED, \$99.50 GOV'T RECONDITIONED, CHECKED, \$125.

DM-28 DYNAMOTOR, 28 VDC 2 AMPS, USED, \$8.95 115 VAC 60 Hz POWER SUPPLY W/SPEAKER, \$27.00 PL-103 CONNECTOR PLUG F/REAR OF REC., 2.50 MANUAL FOR BC-348-Q OR -R, REPRODUCTION, \$10.

100 KHZ OVENS

100 KHz CRYSTAL OVENS, 115 V heater for 65 C oven; thermally isolated and shielded with 65 C crystal thermometer. Removed from frequency counters, 3 lbs sh. #100KHZ/AM-100 w/100 KHz glass bulb xtal, assembly has octal output, \$15.00 #HP-G69B-2 w/Knight octal base xtal, \$20.00

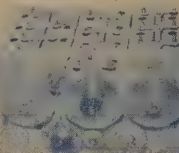


750 W TRANSMITTER

TMC GPT-750 SSB TRANSMITTER, 2 to 32 Mhz continuously tuned. Provides 750 watts AM, 750 W PEP-SSB and 1000 W CW and FSK. Same as AN/URT-17. Requires 115/230 VAC 50-60 Hz. 47 1/2 x 34 x 27, 750 lbs sh. Used, w/dummy panel-no exciter, \$450



TRANSCIEVER R.F. TUNER FOR COLLINS 618S-1. THIS SUBASSY CONTAINS 1ST & 2ND R.F. AMP, 1ST & 2ND REC. MIXER, 1ST & 2ND TRANS. MIXER, I.F. AMP, DISCRIMINATOR, MULTIPLIER AND 2 DRIVER CIRCUITS. WITH TUBES 2/5654, 3/5749, 4/5750 & 2/5686. TUNING IS DONE BY THE SLUGS MOVING IN AND OUT OF THE COILS. FREQ. RANGE 2-25 MC SIZE: 8 x 7 x 6 1/2; WT: 10 LBS. #5821-547-5718/618S- PRICE: USED \$14.95



ANTENNA COUPLER



CU-656 ANTENNA COUPLER, HANDLES UP TO EIGHT RECEIVERS IN THE 2-32 Mhz RANGE. GAIN: 0 TO 3 DB. NOISE FIGURE: 6 DB OR BETTER. HAS 0-50 MICROAMMETER TEST

INDICATOR AND CIRCUIT SELECTOR SWITCH ON FRONT. 70 OHM INPUT; TYPE C CONNECTIONS. WITH TUBES 20/6922 AND 082. POWER REQUIRED: 115/230 VAC 50-60 Hz. SIZE: 7 x 19 x 16 1/2; SH WT: 40 LBS. USED, REPAIRABLE, \$50.00

INFRARED BEACON

US/X9B NAN INFRARED BEACON, originally used on landing craft or on shore for clandestine signaling. System consists of gray painted brass lamp assembly with 100 watt 12 VDC bulb and 4 1/2" dia. X 4" high infrared glass dome, control box with manual signaling key (provision for automatic key), two section brass and wood 63" mast, 25' power cable, and steel spares box containing extra bulb, dome, and hardware. Infrared-sensitive optics required for detection of this beacon. Instruction book included. Stored by gov't. since 1945. Re-boxed in two 27 lbs cartons. Unused \$29.95



RT-311 TRANSCIEVER

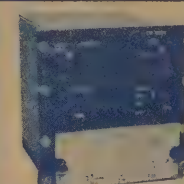
RT-311/ARC-38 AM TRANSCIEVER, 2.0 to 25 Mhz from 20 preset channels. Frequency interval: 500 Hz (2.0-7.25 Mhz) AND 1000 Hz (7.25-25.0 Mhz). Has autotune from channel to channel. Minimum peak output 100 watts (2-14.25 Mhz), 90 watts (14.25-25 Mhz). Antenna tune power: 50 watts. 40 db carrier suppression. Receives AM or CW; sensitivity 5 uv for 6 db signal (phone). Selectivity: 7.5 KHz min @ 6 db, 20 KHz max @ 60 db or 1.8 KHz min @ 6 db, 5 KHz max @ 60 db when in CW sharp position. Unit has VFO and 25 tubes including three 6159's in power amp. Requires 28 VDC, 600 VDC, 250 VDC, -50 VDC, -65 VDC and 6.3 VAC. Also 115 VAC 400 Hz for selsyn on PA inductor. 15 1/2 x 8 x 2 1/2, 65 lbs sh. Used, not checked, \$85.00 MANUAL, partial repro, \$15. w/set purchase.



COLLINS 618S-1 TRANSCIEVER, similar to RT-311/ARC-38 but without VFO. Crystal-controlled AM receiver, \$54.50. Schematic, \$3.00 618S-1/MC TRANSCIEVER, modified for SSB by RCA, xtal-controlled, \$99.95. Schematic, \$8.

RT-594/ARC-38A SINGLE SIDEBAND TRANSCIEVER, similar to RT-311/ARC-38 except has SSB capabilities. Used, not checked, \$145.00

RT-311/ARC-38 or RT-594/ARC-38A replacement modules removed from sets. Write your needs.



C-1398/ARC-38 CONTROL BOX for control and frequency selection of ARC-38. Twenty preset channels or manual in 500 Hz steps. With code book. Most functions operable with ARC-38A SSB set except for function switch which would have to be disabled and provision for side band reception added. 7 1/2 x 5 1/2 x 6, 14 lbs. Used, \$16.95; Schematic, \$2 if bought w/Box.

AIRCRAFT TRANSCIEVER

RT-524M AIRBORNE TRANSCIEVER

mfg. by Aircraft Radio; covers 136.00 to 149.95 Mhz AM in 50 KHz crystal-controlled steps. 15 watts output. Has volume and squelch controls. Requires 24 VDC 6 amps. With tubes 6156, 2/6102, 6/6CW4, and 2/7587. Schematic not available. Size: 6 1/2 x 3 1/2 x 14; 10 lbs. sh. Used, no cover, \$54.95

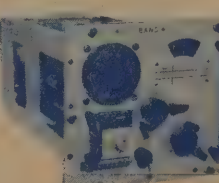


REFERENCE GENERATOR

SG-323/TSM REFERENCE SIGNAL GENERATOR, USED IN DATA COMMAND SYSTEMS OF FLIGHT COMPUTERS. HAS 69 DIODE-TRANSISTOR LOGIC CARDS WHICH IN TOTAL CONTAIN OVER 300 2N404 TRANSISTORS.

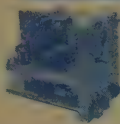


Also 32 DATA ENTRY SWITCHES PLUS SWITCHING FOR 16 PRESET MESSAGES. A AND B CHANNELS HAVE ODD-EVEN SELECTORS; EIGHT ADDRESS SWITCHES PER CHANNEL. TEST DISPLAY HAS INDICATOR LIGHTS NUMBERED 1, 2, 4, 8, 16, 32, & 64. OPERATING MODES: EXT AUTO, INT AUTO, AND MAN. MANUAL MODE SELECTION: 5 KC, NORMAL, OR ONE SHOT. IN ALL, 67 MINIATURE TOGGLE SWITCHES (MOSTLY SPDT) ARE USED. RCA MFG. POWER INPUT NOT KNOWN. SOLD AS "RECEIVED FROM GOV'T. NOT CHECKED FOR OPERATION." SIZE: 19 x 7 1/2 x 16 1/2; SHPG. WT: 65 LBS. USED. PRICE: W/CABINET, \$55.00; LESS CABINET, \$50.

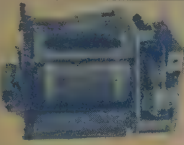


AM-1955/GRC AMPLIFIER CONVERTER USED WITH R-1148/GRC-55 RECEIVER FOR 600-1000 Mhz BAND. 17 Mhz IF. Has 115 V 60 Hz MOTOR AS PART OF AFC SYSTEM. WITH TUBES 2C40A, 2/5842, 5654, 1N21B, 1N21WE. 150 VDC AND 6.3 VAC REQUIRED. SIZE: 15 x 9 x 8; 30 LBS. SH. USED, \$50.00

2.8-3.0 MHZ OSCILLATOR



OSCILLATOR-AMPLIFIER ASSEMBLY with 726B klystron and two 717A tubes that were designed to be used in the 2800-3000 Mhz range. No further information available. 6x5x4, 7 lbs sh wt. Western Electric #D-150815, unused, \$18.



ROLLER INDUCTOR ASSEMBLY with motor drive. 3.4" long x 1.75" dia. coil; 28 turns #18 wire. Approx. 14 uHy with center tap. 115 VAC 400 Hz 20 watt motor turns the coil. Originally used to automatically resonate an antenna to a transceiver's frequency. O/A 4x2x3x3; 5 lbs. sh. #T301/CU-991, \$14.95

AM-FM TUNER

AM-FM TRANSISTORIZED TUNER, 5 TRANSISTOR 4-DIODES WITH AVC AND AFC. CONSISTS OF RF OSCILLATOR, IF DETECTOR STAGES. REQUIRES 9 VDC. NOT GUARANTEED OPERABLE. UNUSED WITH SCHEMATIC AND HOOKUP DIAGRAM. 4x3x1x1 BC-CD-34 TUNER \$2 EA.; 3 FOR \$5.



RECENT COMPUTER SURPLUS TRANSISTOR BOARDS
BOARD #1: 100+ TRANSISTORS, PLUS DIODES, 1/2 WATT RES., INDUCTORS, TRIMPOTS, CAPS. 6"x8"
4 EA. #1, \$3.00
BOARD #2: 50+ TRANS., RES., CAPS., ETC. 5"x7"
5 EA. #2, \$1.50
BOARD #3: 150+ SILICON TRANS., ETC. 4"x6"
4 EA. #3, \$3.00



TCS RECEIVER



NAVY TCS RECEIVER COVERS 1.5 TO 12 MHZ AM IN THREE BANDS; CONTINUOUS TUNING OR FOUR CRYSTAL-CONTROLLED CHANNELS. AUDIO OUTPUT: 1.5 MW INTO 500 OHM LOAD. WITH TUBES 2/12A6, 12SA7, 3/12SK7, AND 12SC7. POWER REQUIRED: 220 VDC 100 MA AND 12 VDC SIZE: 11x11x13; SHPG. WT: 42 LBS. NET: 37 LBS. PRICE: USED, REPAIRABLE, \$19.95 CHECKED, \$30.00

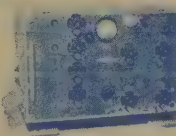
TCS ACCESSORIES

TRANS. ANT. LOADING UNIT	USED	14.95
DYNAMOTOR P.S. F/REC & TRANS. 12V		14.95
REC. TO P.S. CABLE		4.95
TRANS. TO P.S. CABLE		4.95
CONTROL BOX TO P.S. CABLE		4.95
CONNECTOR PLUGS FOR ANY OF UNITS, EACH		2.00
MOUNTING BASE W/ SHOCK MOUNTS		4.75
SHOCK MOUNTS ONLY	EACH	4.75
NOISE LIMITER CONVERSION KIT F/REC		3.00
AC POWER SUPPLY 115 VOLT 60 HZ TRANS.		40.00
REC. ONLY W/SPEAKER		

FOR MORE INFORMATION PLEASE WRITE

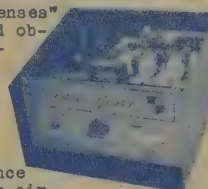
BENDIX TRANSMITTER

BENDIX TA-12B TRANSMITTER, 40 WATTS OUTPUT CW, MCW, AND PHONE FROM 300 TO 600 KHZ AND 3000 TO 7000 KHZ. EACH OF THE FOUR CHANNELS HAS ITS OWN OSCILLATOR, OSC. TUNING, AND LOADING. 0-5 RF AMMETER MONITORS ANTENNA CURRENT. WITH TUBES 4/12SK7 AND 3/807. ORIGINALLY USED WITH MP-28B 24 VDC 15 AMP DYNAMOTOR-MODULATOR (NOT AVAILABLE). POWER REQUIRED: 24 VDC 3 AMPS, 260 AND 400 VDC EXTERNALLY MODULATED. SIZE: 10x15x11; WT: 40 LBS. USED, \$39.50



ELECTRO-GUARD SENSOR

ELECTRO-GUARD ALARM, "senses" tampering with protected object. Utilizes the loading of a tuned oscillator (about 30 KHz) to detect touch. The item to be protected (which must be metal) functions as an antenna and the circuit is tuned. Once the item is touched, the circuit is detuned, tripping a relay. The relay could activate sirens or horns, lights, or cameras. Unit also has continuity circuit for perimeter or fusible link fire alarm. With tuning meter, switches for test-alarm and moment-lock-delay, four relays, two tubes, and one transistor. Requires 115 VAC 60 Hz. 9x1x



ANTENNA TUNER

BC-939/TN-339 ANTENNA TUNER, used with 400 watt 2-18 Mhz BC-610 transmitter. Tuner covers range in bands 2-10 Mhz and 10-18 Mhz using two 100-turn counters and one 10-turn counter. Has three variable inductors, one each rated 103 uHy, 13.8 uHy, and 1.3 uHy. Also has 0-15 RF ammeter 3/8" dia. and two fixed vacuum capacitors one rated 12 pf 20 KV, the other 55 pf 32 KV. Use the tuner as-is or adapt its components. Units may be gray or black. 11x14x23, 75 lbs sh. Gov't. reconditioned. \$100.



GRAB BOX ASSORTMENT OF USED AND UNUSED MANUFACTURERS AND GOVERNMENT SURPLUS ELECTRONIC PARTS SUCH AS ASSEMBLIES, MOTORS, COILS, TRANSFORMERS, CHOKES, CIRCUIT BOARDS, CAPACITORS, RESISTORS, AND OTHER USABLE ITEMS. PACKED IN 50 LBS. CARTONS. \$7.50 EA. OR TWO CARTONS FOR \$13.00.

SHIPPED VIA UPS WITH FREIGHT CHARGES VARYING FROM \$5 TO \$16 PER CARTON. ALLOW FOR FREIGHT. GRAB BOX IS GOOD FILLER TO TAKE ADVANTAGE OF MOTOR FREIGHT 150 LBS. MINIMUM WEIGHT RATES.

DIGITAL DISPLAY



DIGITAL DISPLAY: EACH UNIT WILL SHOW NUMBERS 0 TO 9 ALSO \$ SIGN 3-3/16" HIGH ON 3x4 SCREEN THAT CAN BE SEEN FOR QUITE A DISTANCE. OPERATES FROM 6.3 VAC. CAN BE ADAPTED FOR BASKETBALL FOUL INDICATOR BY PLACING ONE OVER EACH SCOREBOARD AND HAVE A CONTROL PANEL CONSISTING OF 5 SWITCHES AND TRANSFORMER AT THE SCORER'S TABLE. (WIRING DIAGRAM FURNISHED ON REQUEST) CAN ALSO BE ADAPTED FOR USE AS A MOVING READOUT BOARD. SIZE: 3x5x5x11; WT: 7 LBS. PRICES: \$3.95 EA. 3 FOR \$10.00

POWER AMPLIFIER

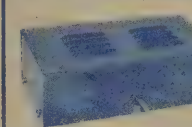


POWER AMPLIFIER ASSEMBLY removed from 225-400 Mhz transmitter; makes an excellent foundation for your power amp. Has oscillator section with 12AT7, 1st doubler (12AT7), buffer (12AT7), 2nd doubler (4X150), and a push-pull tripler with two 4X150's. Manual controls for crystal select, RF driver w/lock, and PA tuning w/lock. PA grid and plate currents could be monitored by adding a 200 microammeter and switch. Silver-plated chassis includes heavy duty blower and tubes 3/12AT7 and 3/4X150A (6 v. fil.) 14x10x5, 33 lbs. #PA/TED, w/schem. \$65.

NICAD TEST



AN/USM-63 BATTERY TESTER, includes TS-737 meter and MX-1678 load box. Tests ni-cad batteries with or without load and charging. Range: 1-1.7 VDC using probe; 25.2-34.1 VDC at binding posts. TS-737 (8x6x4x4) is dual range voltmeter with 2.8 ohm load resistor. MX-1678 (14x6x5x5) has two 5.6 ohm 300 W resistors in parallel. 18 lbs sh. USM-63, Used, \$30.00.



WPT-2 TRANSISTORIZED WIRELESS AMPLIFIER BY FANON; DESIGNED FOR USE WITH CALL-ORIGINATOR BOX (NOT AVAILABLE) AS A PAGING/INTERCOM SYSTEM WITHOUT LINES. 4 WATTS PEAK. OPERATES FROM 115 VAC 60 HZ AND MUST BE IN SAME AC CIRCUIT AS THE CALLING BOX. USABLE WITH TWO 8 OHM SPEAKERS OR THREE OR FOUR 45 OHM ONES. MAY BE MOUNTED INDOORS OR OUT. SIZE: 4x8x3; SH WT: 5 LBS. UNUSED, W/INFO, 5.95

ACCURAY SWITCH DEVICE

ACCURAY DIGITAL SWITCH, has access key lock that actuates a SPDT switch connected in circuit to a lighted push button "enter" switch. Unit also has four section decimal-coded thumb switch--each section numbered 0 thru 9--and 15" input/output cable with connector. In 8x4x5 steel case with flange mount. 8 lbs shwt. #ACCU-DS, used, \$12.95



PORTABLE SIGNAL LIGHT

CANADIAN MORSE CODE SIGNAL LIGHT; MIRRORED REFLECTOR TILTED BY TRIGGER IN HAND GRIP, SIGHTING TUBE ON TOP, 4" CLEAR REPLACEABLE LENSES LISTED BELOW. TEN FOOT CABLE & 12 VDC 31 WATT LAMP. CAN ALSO BE USED AS SPOT LIGHT. COMES IN WOOD CARRYING CASE, 9x6x8; 15 LBS. CAN#5A USED \$14.95 EXTRA INTERCHANGEABLE LENSES IN RED, BLUE, GREEN OR CLEAR TINT \$1 EA. SET OF 4 \$3



TRANSISTOR RADIOSONDE

TRANSISTORIZED RADIOSONDE WITH CLOCKWORK TIMING MECHANISM (NO KEY); USED IN METEOROLOGICAL OBSERVATION OR SIMILAR APPLICATIONS REQUIRING AN EXTREMELY LIGHT-WEIGHT TRANSMITTER. UTILIZES A 2-TRANSISTOR MODULATOR AND A 2-TRANSISTOR TRANSMITTER CIRCUIT. TRANSMITTER HAS A 7533 INTEGRAL CAVITY TUBE WHICH FUNCTIONS AS THE TUNED CIRCUIT FOR THE OUTPUT: 1660-1700 Mhz, 575 MW (NO FURTHER DATA). WITH HUMIDITY ELEMENT. TRANSMITTER SIZE: 2x2" DIA. X 6"; OVERALL SIZE: 7x4x5x5. SHPG. WT: 4 LBS. FRIEZ #3002, UNUSED, \$9.95

T-69F/AMT-2 RADIOSONDE TRANSMITTER ONLY. F-2 EMIS-ION (FM) 390 TO 410 MC RANGE WITH TUBES 5703 AND 5910. REQUIRES BB-208 DRY CELL BATTERIES (SOLD SEPARATE). SIZE: 6x5x5x2; WT: 2 LBS. \$1.50 BB-208 DRY CELL BATTERY SET. WT: 1 LB. \$2.00

MODULATOR F/T-195, DESIGNED TO PROVIDE PROPER AUDIO POWER TO MODULATE POWER AMP AND SUPPLY SIDETONE. 300 HZ AND 3500 HZ BANDPASS. W/TUBES 5726, 2/12AT7, 5814, LESS 4X150 TUBES AND SOCKETS. 8x6x4, 6 LBS. \$10.95

EXCITER STAGE FROM T-195, USED TO AMPLIFY VFO OUTPUT AND SUPPLY DESIRED TRANSMITTING FREQUENCY TO POWER AMP. SLUG TUNED IN RANGES (1.5-3), (3-6), (6-12), AND (12-20) Mhz. WITH TUBES 6AU6, 2/6AK6, AND 5763. SIZE: 4x3x8, 12 LBS. EXC/T-195, \$14.95

VFO-MASTER OSCILLATOR FROM THE T-195 TRANSMITTER; GENERATES FREQUENCY OF 1.5 TO 3 Mhz. HAS 5749 OSCILLATOR TUBE AND 5749 BUFFER-AMP TUBE. WITH 3x3x16" DIA. SHAFT. 2x3x7, WT: 5 LBS. VFO/T-195, REMOVED F/EQUIPMENT, \$7.95

Control Boxes

Filters

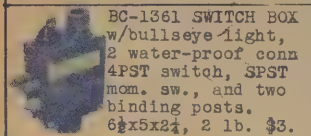
Indicators

Tuning Units

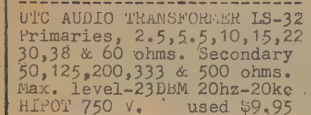
Amplifiers



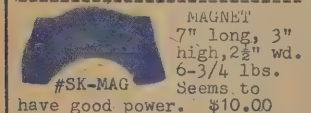
ALARM BELL
OPERATES FROM
24 VOLT D.C.
SIZE: 4 1/2 x 4 1/2 x 2 1/2
WT: 1 lb #561-3
NEW \$1.95



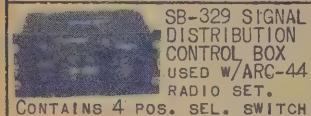
BC-1361 SWITCH BOX
w/ bullseye light,
2 water-proof conn
4PST switch, SPST
mom. sw., and two
binding posts.
6 1/2 x 5 1/2 x 2, 2 lb. \$3.



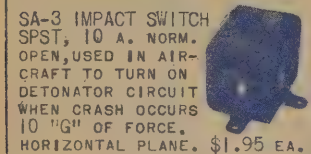
UTC AUDIO TRANSFORMER LS-32
Primaries, 2.5, 5, 10, 15, 22
30, 38 & 60 ohms. Secondary
50, 125, 200, 333 & 500 ohms.
Max. level-23dBm 20Hz-20Kc
HIPOT 750 V. Used \$9.95



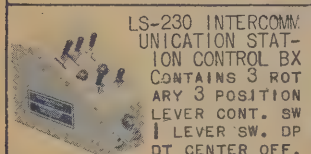
MAGNET
7" long, 3"
high, 2 1/2" wd.
6-3/4 lbs.
#SK-MAG
Seems to
have good power. \$10.00



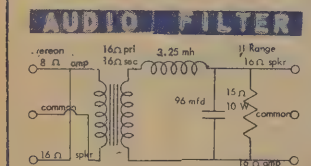
SB-329 SIGNAL
DISTRIBUTION
CONTROL BOX
USED W/ARC-44
RADIO SET.
CONTAINS 4 POS. SEL. SWITCH
VOL CONT, 2 IND. LITES WITH
327 LAMP, MINATURE SWITCH
1/2 x 1/2 x 3/4 SPDT, 1/2 SPDT & 1/2 DPDT
1 1/2 x 1 1/2 x 1 1/2. Size: 2 1/2 x 5 1/2 x 4 1/2, 5 LB
Price: Unused, \$7.95



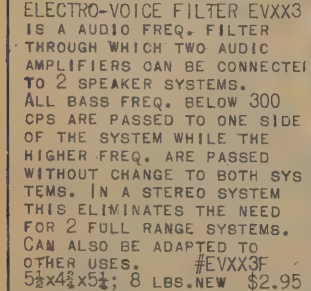
SA-3 IMPACT SWITCH
SPST, 10 A. NORM.
OPEN, USED IN AIR-
CRAFT TO TURN ON
DETONATOR CIRCUIT
WHEN CRASH OCCURS
10 "G" OF FORCE.
HORIZONTAL PLANE. \$1.95 EA.



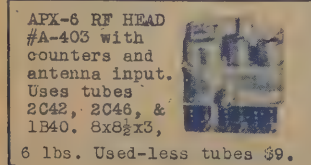
LS-230 INTERCOMMUNICATION STATION CONTROL BOX
CONTAINS 3 ROTARY 3 POSITION
LEVER CONT. SW
1 LEVER SW. DP
DT CENTER OFF,
1 LEVER SW. SPST 1 SIDE,
OTHERSIDE SPST MOM. & CENTER
OFF. 3 LITE IND. PHONE &
MIKE JACK & 1 MIN. TRANSFER
50 TO 500 OHM. SIZE: 7 1/2 x 5 1/2 x 2 1/2;
WT: 3 LBS. PRICE: \$5.95



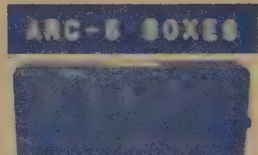
AUDIO FILTER
ELECTRO-VOICE FILTER EVXX3
IS A AUDIO FREQ. FILTER
THROUGH WHICH TWO AUDIO
AMPLIFIERS CAN BE CONNECTED
TO 2 SPEAKER SYSTEMS.
ALL BASS FREQ. BELOW 300
CPS ARE PASSED TO ONE SIDE
OF THE SYSTEM WHILE THE
HIGHER FREQ. ARE PASSED
WITHOUT CHANGE TO BOTH SYS-
TEMS. IN A STEREO SYSTEM
THIS ELIMINATES THE NEED
FOR 2 FULL RANGE SYSTEMS.
CAN ALSO BE ADAPTED TO
OTHER USES. #EVXX3F
5 1/2 x 4 1/2 x 5 1/2, 8 LBS. NEW \$2.95



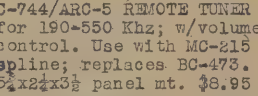
RECEIVER-VOICE FILTER EVXX3
IS A AUDIO FREQ. FILTER
THROUGH WHICH TWO AUDIO
AMPLIFIERS CAN BE CONNECTED
TO 2 SPEAKER SYSTEMS.
ALL BASS FREQ. BELOW 300
CPS ARE PASSED TO ONE SIDE
OF THE SYSTEM WHILE THE
HIGHER FREQ. ARE PASSED
WITHOUT CHANGE TO BOTH SYS-
TEMS. IN A STEREO SYSTEM
THIS ELIMINATES THE NEED
FOR 2 FULL RANGE SYSTEMS.
CAN ALSO BE ADAPTED TO
OTHER USES. #EVXX3F
5 1/2 x 4 1/2 x 5 1/2, 8 LBS. NEW \$2.95



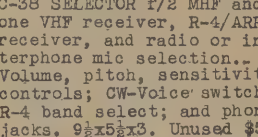
AFK-6 RF HEAD
#A-403 with
counters and
antenna input.
Uses tubes
2042, 2046, &
1B40. 8 x 8 x 3,
6 lbs. Used-less tubes \$9.



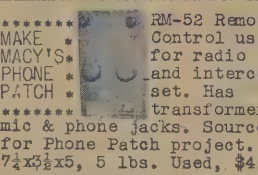
ARC-5 BOXES
BC-450 RECEIVER CONTROL f/
tuning upto 3 receivers.
W/dials 190-550 KHz, 3-6
Mhz, & 6-9.1 Mhz; CW-off
-MCW switches, volume con-
trols, and phone jacks.
9 1/2 x 5 1/2 x 3, 3 lbs. Unused \$8.



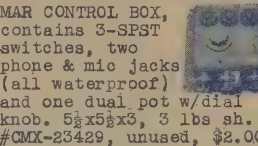
C-744/ARC-5 REMOTE TUNER
FOR 190-550 KHz; w/ volume
control. Use with MC-215
spine; replaces BC-473.
5 1/2 x 2 1/2 x 3 1/2 panel mt. \$8.95



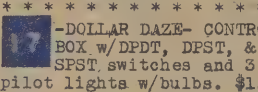
C-38 SELECTOR f/2 MHF and-
one VHF receiver, R-4/ARR2
receiver, and radio or in-
terphone mic selection.
Volume, pitch, sensitivity
controls; CW-Voice switch;
R-4 band select; and phone
jacks. 9 1/2 x 5 1/2 x 3. Unused \$5.



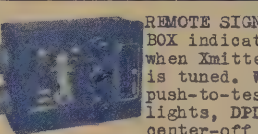
RM-52 Remote
Control used
for radio
and intercom
set. Has
transformer,
mic & phone jacks. Source
for Phone Patch project.
7 1/2 x 3 1/2 x 5, 5 lbs. Used, \$4.



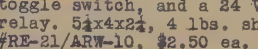
MAR CONTROL BOX,
contains 3-SPST
switches, two
phone & mic jacks
(all waterproof)
and one dual pot w/dial
knob. 5 1/2 x 5 1/2 x 3, 3 lbs sh.
#CMX-23429, unused, \$2.00



DOLLAR DAZE CONTROL
BOX w/DPDT, DPST, &
SPST switches and 3
pilot lights w/bulbs. \$1.



REMOTE SIGNAL
BOX indicates
when Xmitter
is tuned. W/3
push-to-test
lights, DPDT
center-off



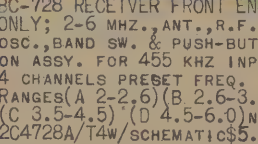
toggle switch, and a 24 VDC
relay. 5 1/2 x 4 1/2 x 2 1/2, 4 lbs. sh.
#RE-21/ARW-10, \$2.50 ea.



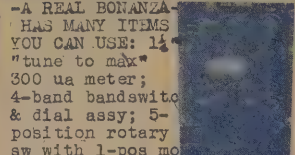
SYLVANIA LAMP SOCKET STRIP
8 SOCKETS *CENTERS \$1.00 EA
28V LAMP 28PSB 30 EA. 4 \$1



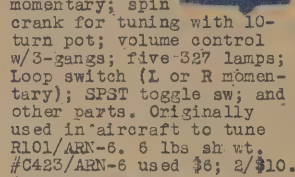
BC-728 RECEIVER FRONT END
ONLY; 2-6 MHZ. ANT., R.F.,
OSC., BAND SW. & PUSH-BUTT-
ON ASSY. FOR 455 KHZ INPUT
4 CHANNELS PRESET FREQ.
RANGES (A 2-2.6) (B 2.6-3.5)
(C 3.5-4.5) (D 4.5-6.0) NEW
204728A/T4W/SCHEMATIC \$5.95



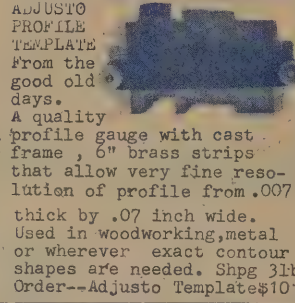
RECEIVER-PRE-SELECTOR ASSY.
230-250 F.M. CONSISTS OF RF
MIXER & OSC. USING SPIRAL
INDUCTOR. FOR USE WITH
30 MHZ. I.F. TUBES REQUIRE
2/6AG5 & 1/9002. RE-MOVED
FROM R-48 REC. 6 x 5 1/2 x 4, 5LB
LESS TUBES \$5 WITH \$9.00



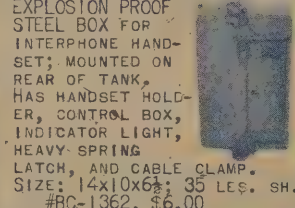
A REAL BONANZA
HAS MANY ITEMS
YOU CAN USE: 1 1/2
"tune to max"
300 ua meter;
4-band bandwidth
& dial assy; 5-
position rotary
sw with 1-pos mo-
mentary; spin
crank for tuning with 10-
turn pot; volume control
w/3-gangs; five 327 lamps;
Loop switch (L or R momen-
tary); SPST toggle sw; and
other parts. Originally
used in aircraft to tune
R101/ARN-6. 6 lbs sh wt.
#C423/ARN-6 used \$6; 2 \$10.



ADJUSTO
PROFILE
TEMPLATE
From the
good old
days.
A quality
profile gauge with cast
frame, 6" brass strips
that allow very fine reso-
lution of profile from .007
thick by .07 inch wide.
Used in woodworking, metal
or wherever exact contour
shapes are needed. Shpg 3lb
Order-Adjusto Template \$10



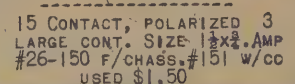
EXPLOSION PROOF
STEEL BOX FOR
INTERPHONE HAND-
SET; MOUNTED ON
REAR OF TANK.
HAS HANDSET HOLD-
ER, CONTROL BOX,
INDICATOR LIGHT,
HEAVY SPRING
LATCH, AND CABLE CLAMP.
SIZE: 14x10x6 1/2; 35 LBS. SH.
#BC-1362, \$6.00



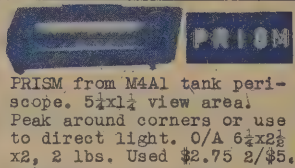
18 CONTACTS
2 1/2 x 2 1/2 x 1
P-2802
PER PAIR \$2.00



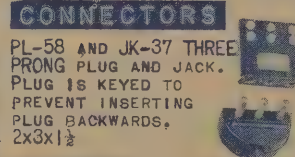
35 CONTACT CONNECTOR
MALE #621905
FEMALE #407375
SIZE 2 1/2 x 1 NO COVER \$1.50 PR.



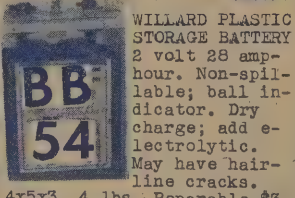
15 CONTACT, POLARIZED 3
LARGE CONT. SIZE 1 1/2 x 2 AMP
#26-150 F/CHASS. #151 W/CO
USED \$1.50



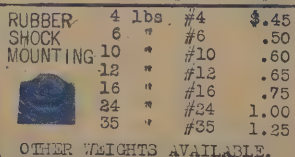
PRISM from M4A1 tank peri-
scope. 5 1/2 x 1 1/2 view area!
Peak around corners or use
to direct light. 0/A 6 1/2 x 2 1/2
x 2, 2 lbs. Used \$2.75 2/35.



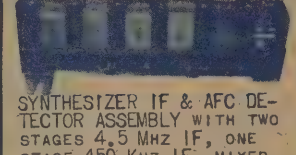
PL-58 AND JK-37 THREE
PRONG PLUG AND JACK.
PLUG IS KEYS TO
PREVENT INSERTING
PLUG BACKWARDS.
2X3 1/2



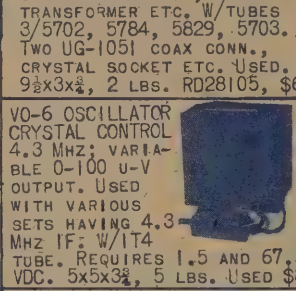
WILLARD PLASTIC
STORAGE BATTERY
2 volt 28 amp-
hour. Non-spil-
lable; ball in-
dicator. Dry
charge; add e-
lectrolytic.
May have hair-
line cracks.
4x5x3, 4 lbs. Repairable \$3.



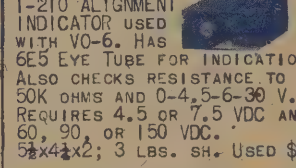
RUBBER SHOCK
MOUNTING
4 lbs. #4 \$4.45
6 " #6 .50
10 " #10 .60
12 " #12 .65
16 " #16 .75
24 " #24 1.00
35 " #35 1.25
OTHER WEIGHTS AVAILABLE.



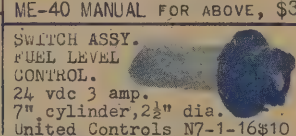
SYNTHESIZER IF & AFC DE-
TECTOR ASSEMBLY WITH TWO
STAGES 4.5 MHZ IF, ONE
STAGE 450 KHZ IF, MIXER
TRANSFORMER ETC. W/TUBES
3/5702, 5784, 5829, 5703.
Two UG-1051 COAX CONN.,
CRYSTAL SOCKET ETC. USED.
9 1/2 x 3 1/2, 2 LBS. RD28105, \$6



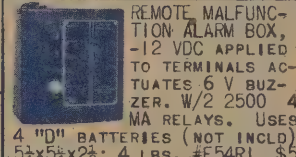
VO-6 OSCILLATOR
CRYSTAL CONTROL
4.3 MHZ; VARIA-
BLE 0-100 U-V
OUTPUT. USED
WITH VARIOUS
SETS HAVING 4.3
MHZ IF; W/1T4
TUBE. REQUIRES 1.5 AND 67.5
VDC. 5x5x3 1/2, 5 LBS. USED \$8



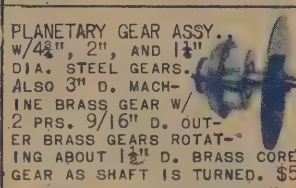
1-210 ALIGNMENT
INDICATOR USED
WITH VO-6. HAS
6E5 EYE TUBE FOR INDICATION
ALSO CHECKS RESISTANCE TO
50K OHMS AND 0-4.5-6-30 V.
REQUIRES 4.5 OR 7.5 VDC AND
60, 90, OR 150 VDC.
5 1/2 x 4 1/2 x 2, 3 LBS. SH. USED \$9



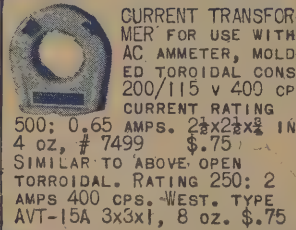
ME-40 MANUAL FOR ABOVE, \$3.



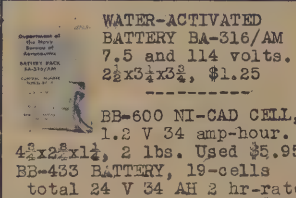
SWITCH ASSY.
FUEL LEVEL
CONTROL.
24 vdc 3 amp.
7" cylinder, 2 1/2" dia.
United Controls N7-1-16 \$10



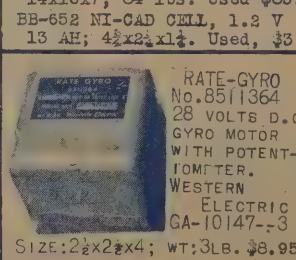
REMOTE MALFUNCTION
ALARM BOX,
-12 VDC APPLIED
TO TERMINALS AC-
TUATES 6 V BUZZ-
ER W/2 2500 4
MA RELAYS. USES
4 "D" BATTERIES (NOT INCLD)
5 1/2 x 5 1/2 x 2 1/2, 4 LBS. #E54R1, \$5



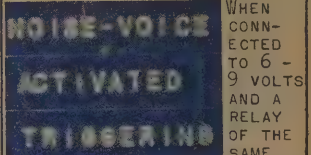
PLANETARY GEAR ASSY.
W/4 1/2", 2", AND 1 1/2"
DIA. STEEL GEARS.
ALSO 3" D. MACH-
INE BRASS GEAR W/
2 PRS. 9/16" D. OUT-
ER BRASS GEARS ROTAT-
ING ABOUT 1 1/2" D. BRASS CORE
GEAR AS SHAFT IS TURNED. \$5



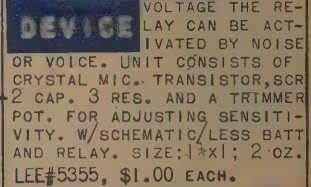
CURRENT TRANSFORMER
FOR USE WITH
AC AMMETER, MOLD-
ED TOROIDAL CONST
200/115 V 400 CPS
CURRENT RATING
500; 0.65 AMPS. 2 1/2 x 2 1/2 x 1 1/2 IN.
4 oz, # 7499 \$.75
SIMILAR TO ABOVE OPEN
TOROIDAL. RATING 250; 2
AMPS 400 CPS. WEST. TYPE
AVT-15A 3x3x1, 8 oz. \$.75



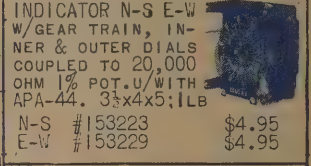
WATER-ACTIVATED
BATTERY BA-316/AM
7.5 and 114 volts.
2 1/2 x 3 1/2 x 3 1/2, \$1.25



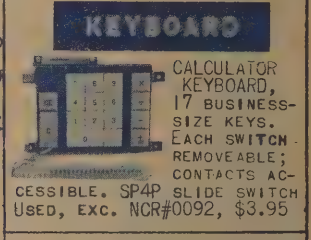
NOISE-VOICE
ACTIVATED
TRIGGERING
DEVICE
WHEN
CONNECTED
TO 6-9
VOLTS
AND A
RELAY
OF THE
SAME
VOLTAGE THE RE-
LAY CAN BE ACTI-
VATED BY NOISE
OR VOICE. UNIT CONSISTS OF
CRYSTAL MIC. TRANSISTOR, SCR
2 CAP. 3 RES. AND A TRIMMER
POT. FOR ADJUSTING SENSITI-
VITY. W/SCHEMATIC/LESS BATT
AND RELAY. SIZE: 1 1/2 x 1 1/2 x 2 OZ.
LEE#5355, \$1.00 EACH.



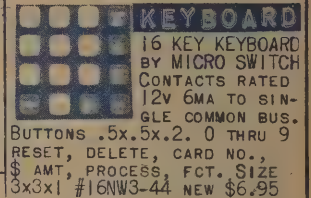
INDICATOR N-S E-W
W/GEAR TRAIN, IN-
NER & OUTER DIALS
COUPLED TO 20,000
OHM 1/2 POT. U/W/ITH
APA-44. 3 1/2 x 4 1/2 x 5 1/2 LB
N-S #153223 \$4.95
E-W #153229 \$4.95



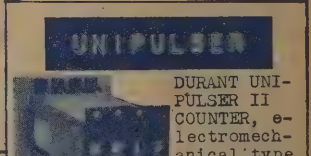
CALCULATOR
KEYBOARD,
17 BUSINESS-
SIZE KEYS.
EACH SWITCH
REMOVABLE. CON-
TACTS AC-
CESSIBLE. SP4P SLIDE SWITCH
USED, EXC. NCR#0092, \$3.95



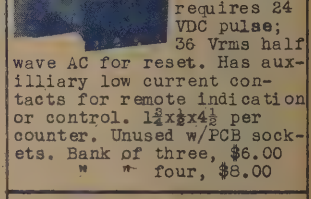
16 KEY KEYBOARD
BY MICRO SWITCH
CONTACTS RATED
12V 6MA TO SING-
LE COMMON BUS.
BUTTONS .5x.5x.2. 0 THRU 9
RESET, DELETE, CARD NO.,
\$ AMT, PROCESS, FCT. SIZE
3x3x1 #16NW3-44 NEW \$6.95



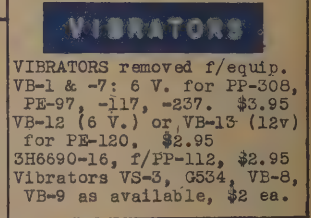
DURANT UNI-
PULSER II
COUNTER, e-
lectromech-
anical type
requires 24
VDC pulse;
36 Vrms half
wave AC for reset. Has aux-
iliary low current con-
tacts for remote indication
or control. 1 1/2 x 3 1/2 x 4 1/2 per
counter. Unused w/PCB sock-
ets. Bank of three, \$6.00
" " four, \$8.00



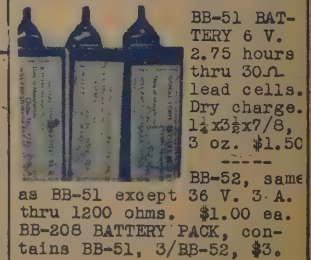
VIBRATORS removed f/equip.
VB-1 & -7: 6 V. for PP-308,
PE-97, -117, -237. \$3.95
VB-12 (6 V.) or VB-13 (12V)
for PE-120. \$2.95
3H6690-16, f/PP-112, \$2.95
Vibrators VS-3, 3534, VB-8,
VB-9 as available, \$2 ea.



BB-51 BAT-
TERY 6 V.
2.75 hours
thru 30.0
lead cells.
Dry charge.
1 1/2 x 3 1/2 x 7/8,
3 oz. \$1.50



BB-52, same
as BB-51 except 36 V. 3 A.
thru 1200 ohms. \$1.00 ea.
BB-208 BATTERY PACK, con-
tains BB-51, 3/BB-52, \$3.



RATE-GYRO
NO.8511364
28 VOLTS D.C
GYRO MOTOR
WITH POTENT-
IOMETER.
WESTERN
ELECTRIC
CA-10147--3
SIZE: 2 1/2 x 2 1/2 x 4; WT: 3LB. \$8.95

PUSH-TO-TEST



PUSH TO TEST INDICATORS WITH MARKINGS ALSO HAVE CLEAR & AMBER LENSES

KORRY MFG., ALL UNUSED.

KORRY 260 Push-To-Test Indicators, DOUBLE LAMPHOLDER WITH MINIATURE BAYONET BASES. 1" x 2" x 2" NEW. CHOOSE FROM THESE LENS INSCRIPTIONS: POWER, AC POWER ON, PHASE B POWER, 28 VDC. OR 24 VOLTS DC. \$1 EA, 3/\$2

KORRY 260 indicators with rocket launch-related inscriptions: UNLOCK, TESTING, COMPONENTS TEST POWER ON, HEATER 1-2-3, CENTER, LN OVERFLOW, LN LOWER LEVEL, LN UPPER LEVEL, 100% LIQ OXY, LIQ OXYGEN FINE, FUEL TANK PRESSURIZED, COOLANT FILL, IGNITER, 40 C THERMO-STAT, AIRBORNE POWER SUPPLY, LOX THROT VALVE HEATER. Price: 75¢ ea or 4 for \$2.

ASSORTMENT OF ROCKET LAUNCH INDICATORS, NO CHOICE, 6/\$2

KORRY 136 PUSH-TO-TEST INDICATORS, SINGLE LAMPHOLDER WITH MINIATURE BAYONET BASE 1" x 2" x 2" D. INSCRIPTIONS: STANDBY; OVER-LOAD; LOW; MALF. 65¢ 2/\$1.

KORRY 103 INDICATOR, PUSH-ON RED PLASTIC CAP; PLASTIC BODY. 5/8" SINGLE HOLE MOUNT. #5167, 50¢ ea. 3/\$1.

LAMP HOLDERS FOR 327 LAMPS 1/2" HOLE MTG. FLAT TOP LENSE 3/8 DEEP, WHITE LENS NUMBERED 1 TO 9, YELLOW ("MAX"), RED, AMBER, AND GREEN. SPECIFY.

#6210-617-0934, 39¢ ea.

#327 LAMP FOR ABOVE, 39¢

NEON CYLINDRICAL TYPE LITE

#3509 115v 100k 3/8x1 1/2

ELDEMA V W/RES. 3/8x1 1/2

#2685 28v .04A 1/4x7/8

OBLONG SLIP IN TYPE NEON

1/2x1-3/8 125v. #3100 USED

ALL ABOVE 3 FOR \$1.00

MINIATURE LAMPS

STK #	TYPE	V.	A.	BASE	BULB	KA	Per 10
#14	flashlight	2.47	.3	cand so	G-3 1/2	.30	\$2.00
#47	bulbs	6.3	.15	min bay	T-3 1/2	.20	1.00
#327	grain of wheat	28	0.04	a	T-1 1/2	.39	3.00
#480		22	.55	min bay	G-6	.35	3.00
#511		2	.25	min bay	G-6	.20	1.00
NE-2	switchboard	1/17	2F	slide base		.20	1.00
NE-48/991	neon	115	.25	DC bay	T-4 1/2	1.50	12.00
NE-51	neon	115	.25	min bay	T-3 1/2	.40	3.00
225882		18	.11	can sc	T-3 1/2	.20	1.00
4C5491K1	switchboard			K1 slide base		.20	1.00
626806.6	TS-87 6-8 V			can bay	S-801	.35	3.00

MARINE TYPE 600 WATT

28 VOLT GE C600 PAR

56/1 SCREW TERMINALS

PRICE: \$6.00 EA.

WRITE-FOR 100 LOT

PRICE.

GRIMES LAMP ASSY.

#4725-24 WITH

327 GRAIN/WHEAT

BULB.

6220-333-5827

59¢ EA. 2 FOR \$1



500 KHZ FILTER



COLLINS 500 KHZ FILTER ASSEMBLY consisting of nine adjustable coils and associated capacitors on 1/4x1/6 enclosed chassis. Uses MB style miniature connector. Units are checked, but may need alignment. Collins part #542-4777-004, \$5.00 Above, need repair, 2/\$4.00

INDUCTORS

FERRITE POT CORE INDUCTORS, PC mount; 7/8x3/4 dia. NEW. 123-177 mH, #NV243, \$1.50 600 mH, #404-3-2, \$1.50 TORROIDAL COILS, 5/16x1 dia 150 mH, #403-1-1, 85¢ ea.

TELEPHONE PICK UP COIL used in modern data coupler; no specs. 5/8x1 1/2 dia #403-4 \$1

MEISSNER PLUG-IN COILS, 3 in set including osc grid, osc-plate, & buffer. # KHZ PRICE 3C2500-51 2040-2410 \$1.50 3C2500-52 2395-2835 1.75 Standard 4-5-6 prong sockets required for each set.

NATIONAL NC-100 ASC CW OSC tuning coil, 456 KHz, \$3. ***** 1st IF 9A1952 #147 \$3.00 2nd IF 9A1953 #148 3.00

BUD TRANSMITTING PLUG-IN COILS on 5-pin ceramic base #3C804 40 meters \$1.50 #3C805 20 meters 3.00

CERAMIC COIL FORM, space wound f/43 turns #14 wire; 5x2 1/2x2, 1 lb #ART31113 \$1.

VERNIER DIAL, 2 1/2" dia. 0-100 scale 180 degree with coupling for 1/2" shaft. #TU-10VD \$4. *****

RIGHT ANGLE DRIVE vernier control, 1 1/2" dia. dial, w/ look & coupling f/1/2" shf 3-hole mtg. #TU-10RA, \$2.

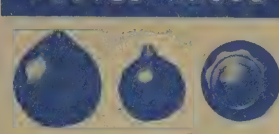
SPECTROL MULTI-DIAL #25-1-13 11 turns, 1099 digits, 13/16" dia. f/1/2" dia. shaft. Used, \$5.

TERMINAL LUGS, insulated for 22-18 wire. Specify ring or spade tongue style. #AA8140 or M8136 (26-24) 12/\$1.00 100/\$7. 1K/\$35.

SPRAGUE #JN14-1551A 3 X 50 AMP 440 VAC 60 Hz LINE FILTER, 11 1/2x 9 1/2x3 1/2, 18 lbs sh. NEW, \$18.95

GENTSCO GR-1901-75D 75 AMP 250 VAC/600 VDC FILTER, knock-outs for hook-up; long style 21 1/2x4 1/2, 23 lbs. NEW \$14.

FLUTED KNOBS



OHMITE KNOB, 3 1/2" dia. w/ pointer; fits 3/8" dia. shaft. \$2.95

LUXITROL KNOB, 2-3/8" dia. w/pointer; fits 3/8" dia. shaft. \$1.50

#9682 KNOB, 2 1/2" across flutes; 3" dia. skirt. F/ 1" dia. shaft, \$1.25 *****

7 1/2" dia. WHEEL-TYPE CONTROL, fits 3/4" dia. shaft. 2 lbs. W/pointer \$4.95 Without, \$3.95

HEWLETT-PACKARD knob from test equipment, 1-3/8" dia skirt, 1 1/2" high; brass insert for 1/2" shaft. \$1.00

1-5/8" DIA. FLUTED KNOB W/2" SKIRT; FITS 1/2" SHAFT. URC# S-649, \$1.25 NEW

1 1/2" DIA. FLUTED KNOB WITH SKIRT AND POINTER. BRASS INSERT FOR 1/2" SHAFT. KBNB005 \$1.25

MODERN GREY KNOB w/fine-ribbed side. 1 1/2" dia X 9/16"H. F/1/2" dia sh. #7577 NEW \$1.

1" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 1/2" SHAFT. KBNB007 \$2.25

1" DIA. FLUTED KNOB WITH BRASS INSERT FOR 1/2" SHAFT. KBNB008 \$2.25

ALL THE ABOVE KNOBS ARE OF SET SCREW TYPE.

SPIN KNOBS

2" DIA. METAL FLUTED SPIN KNOB FOR 5/32" SHAFT. KBNB009 \$1.79

2 1/2" DIA. SPIN KNOB. METAL. TAKES 3/16" SHAFT. #8089 NEW \$2.00

MAKE ANY FLAT KNOB A SPIN 1 1/2" ADAPTER WITH 3 HOLES, TO FASTEN TO YOUR KNOB, WITH SPIN GRIPPER#225816-3 \$1.00

1-5/8" DIA. METAL SPIN KNOB F/3/8" SHAFT. URC#KN02, \$1.50

1 1/2" DIA. FLUTED KNOB W/1 1/2" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC#KN04, \$1.50

1-5/8" DIA. FLUTED KNOB W/ 2" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC#KN03, \$1.75

Brown 1" dia x 1 1/2" high knob for 1/2" shft. #KBNB025, 2/25¢

HAMMARLUND DIAL #31227-3 2 1/2" silver skirt marked 10 to 0; 1-5/8" dia knurled knob. #E9821, NEW, \$1.50

MATCHED KNOBS, rounded edge w/4 sets of 4 hash ridges. Looks like old Hammarlund. #E5168 2 1/2" \$3 #E570 1 1/2" \$2

HALLICRAFTERS with big 1 1/2" dia; arrow & grip bar. #H81014 new \$1.50

BAR TYPE KNOBS

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT. 1 1/2"x1 1/2"x5/8". SET SCREW TYPE. KBNB012 \$2.25

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT WHICH MUST BE TAPED FOR SET SCREW. 1 1/2"x1 1/2"x5/8". KBNB013 \$2.25

RECTANGULAR BAR TYPE BAKELITE KNOB 1 1/2"x1 1/2"x5/8". WITH BRASS INSERT FOR 1/2" SHAFT. SET SCREW TYPE. KBNB014 \$2.25

Pointer knob with brass insert for 1/2" shaft; 1 1/2"x1 1/2". #KBNB026 25¢ ea

Bartype bakelite knob with pointer. For 1/8" shaft; vertical set screw. 1 1/2"x5/8"x1/2". KBNB016 4/\$1.00

Rounded bar style knob, 1-1/8" long x 1/2" across x 11/16" H. Brass insert f/ 1/2" dia sh. #KNART13 3/\$1.

1 1/2" DIA. METAL KNOB FOR 1/2" SHAFT WITH TWO SET SCREWS. FINGER GRIPKNOB FOR HEAVY SWITCHING APPLICATIONS. KBNB018 2/\$.35

1-5/8" dia plastic knob with 2 1/2" dia aluminum skirt calibrated 0 to 10. Brass insert for 1/2" dia shaft. #9414 NEW \$1.50 ea

1" dia plastic knob with 1 1/2" dia skirt calibrated alphabetically A-B, ..., Y-Z. Aluminum skirt; f/1/2" shaft. #5312 NEW \$1.50 ea

3/4" RIBBED KNOB 7/8" DEEP 1" SKIRT F/1/2" SHAFT DULL BLK. KBNB7820 35¢

5/8"x3/4" SAME AS ABOVE BRIGHT BLK. KBNB1261 20¢

1" dia. x 11/16" high knob, Ribbed style; Insert recessed 1/2" from base for flush fit. KNB2279, 30¢ ea.

1 1/2" KNOB MARKED "INCREASED OUTPUT". 1 1/2" HOLE WITH SET SCREW. 1/2" THICK, METAL. KBNB023 \$2.25

1-1/8" dia fluted plastic knob with 1 1/2" dia skirt; brass insert for 1/2" shaft. #9347 NEW \$1.50 ea

LINE FILTERS

RF LINE FILTERS, unused. ***** #513-3405, 2x3 amp 125 VAC 60 Hz; four solder terminals. 2x3 1/2x1, 2 lb. \$1.50

#410-3, 2x5 amps 125/250 VAC 50-400 Hz; four solder terminals. 2x2 1/2x1 1/2, 1 lb. \$1.25 ea.

#FA-380, 3 X 28 VDC 10 amps; screw terminals. Filtron mfg.; 3x3x1 1/2, 2 lbs. Unused, \$2.50

#A2240, 3x75 amps 250 VAC 50/60 Hz; six stud terminals. 12x10 1/2x4 1/2, 25 lbs sh. \$24.95

#537-6615, 55 amps 30 VDC; two stud terminals. 2 1/2x5x2, 3 lbs sh wt. \$2.95

HORN

SIMPLEX HORN, 6 VAC 2.5 AMP 60 Hz. MAKES LOUD PENETRATING NOISE; SCREWDRIVER VOLUME ADJUST. HEAVY STEEL CONSTRUCTION. DESIGNED FOR PARTIAL RECESS MOUNT. FRONT ENCLOSURE 4x4x1 1/2; DEPTH REQUIRED BEHIND: 1 1/2. #624-427, \$5.95

SPRAGUE #JN14-1551A 3 X 50 AMP 440 VAC 60 Hz LINE FILTER, 11 1/2x 9 1/2x3 1/2, 18 lbs sh. NEW, \$18.95

GENTSCO GR-1901-75D 75 AMP 250 VAC/600 VDC FILTER, knock-outs for hook-up; long style 21 1/2x4 1/2, 23 lbs. NEW \$14.

RECTIFIER CAPACITOR ASSY WITH TWO 950 MFD 75 VDC (90V SURGE) COMPUTER GRADE CAPACITORS, TWO 50 MFD 75 VDC CAPS, AND FIVE 200 V 2 AMP DIODES. MOUNT BRACKETS INCLD. USE AS BASE FOR SMALL POWER SUPPLY. REMOVED FROM EQUIP-EXCELLENT, \$2.95

ADJUSTABLE ALUMINUM SHOCK-MOUNT WITH FOUR 1 1/2-3 LBS. SHOCKMOUNTS. PERFECT FOR SMALL POWER SUPPLY, AMPLIFIER OR OTHER GEAR. FITS 5-1/8" W X 6 1/2" TO 7 1/2" DEEP UNIT; 2" HIGH. SH WT: 3 LBS. #MT-569A/ARA, UNUSED, \$2.50

NATIONAL HRO COILS

Individual coils for HRO receiver coil set plug-ins. Unused \$2.50 ea; 4/\$8.00

KHz
50-100: B112, B113/B143, B114/B144
100-200: B109/B139, B140
175-400: B112, B113
900-2000: B118, B119, B120
2-4 Mhz: B123
4-7 " : B127, B128, B129
7-14 " : B130, B131, B133
14-30 Mhz: B30, B137

BC-610 XMITTER PLUG-IN TUNING UNITS, 4 lbs.

MHZ Price
C-389A 4.5-5.7 NVL \$4.00
C-389C " - " WVL 6.00
C-390C 5.7-8.0 WVL 6.00
C-447 8.0-11 NVL 4.00
C-447B " - " WVL 6.00
C-448B 11-14 WVL 6.00
TU-47 (2.0-2.5 Mhz), TU-48 (2.5-3.2), TU-49 (3.2-4.0) TU-50 (4-5), \$7.50 each
TU-53 (8.0-12.0 Mhz) \$3.95
TU-54 (12-18 Mhz), \$12.00

TCS VARIABLE CAPACITOR, 2 SEC. 10-360 MMF. ONE SEC 10-360 MMF, 3 BAND CALIBRATED DIAL 4" 1.5 to 12 Mhz SIZE: 7x3x3 1/2; WT: 10 LBS. #881 \$3.95 USED

Piston style glass var. 1-20mmf #9645 \$.75
5910-193-8025 3 GANG 8-50 MMF 2000 VDC, ROTOR SECTION INSULATED FROM EACH OTHER. SIZE 3 1/2x2 1/2x6 1/2; 2 LBS. \$6.95

RBF-3-14A164, 10-40mmf gap 0.04". 2Kv. 3x2x2 1/2 \$2.95

HAMMARLUND VAR. CAPACITOR 20-90 pf 0.05" spacing. Silver-plated, 0.04" thick plates. Right angle worm and split gear drive. Shaft 1/2" x 1/2" dia. 4x3x3 1/2 #446-6571 \$12.95

FREQUENCY METER VARIABLE CAPACITOR 1/4 VERNIER TUNING 11.5-160MMF. 3x3x5 1/2 LBS. #BC-221 OR EQUAL NEW \$8

VARIABLE CAPACITOR 15-420 pf single section. 0.03" air gap. Shaft: 3/8" dia. threaded first 3/8"; 1/2" dia. next 3/8". Overall: 1-3/8x1-3/8x4 1/2. #167-0459, \$4.95

#48B083C; 10-106 PF, .02" AIR GAP; 1 1/2x3 1/2x1 1/2, SHAFT: 1x1 1/2 DIA. UNUSED, \$1.50
Three Gang 0.03" spacing 15-85 each section. 3.2x1.6x1.8 in. #074-049 \$4.95

BC-624 RECEIVER R.F. TUNER ASSY 100 - 156 MHZ A.M. W/VARIABLE CAP., COILS, TUBE SOCKETS, OSC. SEC. P/O SCR-522 5x5x5; WT: 7LBS 2ZK11150 Used \$3.95/N \$5.95

RF-OSCILLATOR TUNING CAPACITOR F/ MARK II RECEIVER; 4- GANG, 0-530 PF/GANG. 3 1/2x1 1/2x6. 5/8x5/8" DIA. SHAFT. #76330-C, USED, \$4.95

TANK TUNING CAPACITOR FROM MARK II; 1-GANG, 0-563 PF. 0.03" AIR GAP; 3 1/2x2 1/2x1 1/2 DIA SHFT. #76348-C, \$2.95

TUNING CAPACITOR F/RT-176/PRC-10, 38 to 54.9 MMF. 5- GANG, 5-33 PF/GANG. WITH 1 1/2" AND 5/8" DIA. GEARS; 3/16" DIA SHFT. 1 1/2x1-5/8x4, USED, \$4.95

BROADBAND TUNER 14-50 Mhz 10-150mmf var capacitor mechanically coupled to iron slug in a coil which moves as the capacitor is rotated. Various other components. 3 1/2x2x3 #RT-45 \$1.95

TRANS. CAPS.

DUAL 4-30 MMF 1000 VDC 1x1x2, SHAFT 1/2x2 P/O BC-640 CARDWELL 430/1M REM \$2.95

DUAL 5-25 MMF 2000 VDC 1x1x2 1/2x1/2 SHAFT 1/2x2 P/O BC-640 CARDWELL 525/2M REM \$3.95

DUAL 4-20 MMF 2000 VDC 1x1x2 1/2x3 SHAFT 1/2x2 P/O BC-640 CARDWELL 420/2M REM \$3.95

DUAL 4-50 MMF 1000 VDC 1x1x2 1/2x3 SHAFT 1/2x2 P/O BC640 CARDWELL 450/1M REM \$2.95

BC-624/522 RECEIVER, 3 GANG 6-36 MMF EACH SECTION WITH SLUG TUNED TRIM. Shaft 5/16" STK#309036V
SIZE: 4 1/2x2x3 1/2; 1 LB. \$1.50

12-365 PF SINGLE SECTION, gear reduction tuning. 1x1 shaft; o/a 3 1/2x3 1/2x2 1/2. #3D9378VBS, unused, \$4.50

DUAL 6-22 MMF 1500 VDC 1x1x2 1/2x2 SHAFT 3/16x3 TELERADIO 622/15M NEW \$1.95

VARIABLE CAPACITORS removed f/unused TU-10 tuning units. 0.09" air gaps. #T-7660443-4, 19-116 pf, 3/8x1 1/2 dia. shaft. O/A: 1 1/2x3x4 1/2, 2 lbs. \$3.95

#P-7761569, 14-62 pf, 1x1 1/2 dia. shaft. 2 1/2x2 1/2x4 1/2, \$3.95
#T-7660443-8, 8-26 pf, 5/8 x1 1/2 dia. shaft. Overall: 1 1/2x2 1/2x3, 2 lbs. \$3.95

DUAL 30-200 PF 0.02" spacing w/silver-plated linear frequency plates. In metal case for shielding. Shaft 1/2" lg 1 1/2" dia. 1 1/2x2 1/2x2 1/2. #906-8549 \$10.95

PRE-SELECTOR UNIT ASST PART OF R-48 REC. 230-250 MHZ. CONSISTS OF RF, MIXER & OSCIL. USING 6AG5-2 EA. 9002-1 EA. TUBES (LESS TUBES.) FOR USE WITH 30 MC I.F. SIZE: 6x5 1/2x4; 5 LBS. USED \$5

GLASS PISTON CAPACITORS #VCI-770, 15 pf 5/8x1 1/2 \$1. VCI-244, 20 pf 1 1/2x1 1/2 \$1.00 VCI-30G, 30 pf 2x1 1/2 \$1.00

AIR CAPACITORS, 0.02" spacing; shaft 1/2" dia, 3x1 1/2x1 1/2 #21105-14 8-20 pf \$1.50 #21105-15 8-35 pf \$1.65

TU-53 OSCILLATOR PLUG-IN .553V. FGR BC-610 TRANSMITTER

FREQ. RANGE 8-12 MHZ. CONTAINS VAR. CAPACITORS WITH SHAFTS 140 MMFD, 190 MMFD. 2/CERAMIC CAP. 1/MICA CAP. 4/R.F. COILS, 2/RES. 1/OPDT SW. 1/DIAL, 2/KNOBS, CRYSTAL SOCKET, AND OTHER PARTS. SIZE: 2x8 1/2x4 1/2; 4 LBS. \$3.95

5-25 PF CAPACITOR, worm gear & ceramic insulated shaft and stators. Rotor plates on common metal shaft; .03" gap. Rating made with two sections in series. May be modified into two 10-50 pf sections. Gear shaft: 1"x1/8"d. Other 5/8"x1/8"d. O/A 4 1/2x2x1 1/2. Silver-plated. #710-4608 \$6.95

RECEIVING TYPE CAPACITORS FOR AM-FM-AUDIO OSCILLATOR USE WITH SHAFTS.

#48842 DUAL 12-90 MMF & 15-140 MMF SIZE 1x1x1 1/2 \$1.00

#66972 DUAL 9-50 MMF & 1-100 MMF, SIZE 1x1x1 1/2 \$1.00

#330V020-H02 DUAL 10-90 & 14-140 MMF 1 1/2x1 1/2x1 \$1.25

#074-050J-2, 8-20 pf, 2x1 shaft. \$1.25

Dual 5-15mmf, ceramic, w/friction gear to hold setting. 0.04" spacing. 2 1/2x1 1/2x1-7/8 in 1/2x1/2 dia shaft. coil & gear removeable. #358-3164 \$1.95

#KS21146L1, 3-GANG, 7-60 PF/SEC. 0.03" GAP. O/A 5 1/2x1 1/2x1 1/2, \$3.95

#NL981337-2; 35-180 PF; 3x1 1/2x1 1/2; 1 1/2x2" D. SHFT. \$2.95

2.3-14 PF, 2x3/16" dia shaft. #228-6085, \$1.25

3D9200V-19 4 GANG, 14-200 MMF 3 1/2x1 1/2x4 1/2 \$4.50

#C-111/ARN-6, 5-GANG, 13-402 PF/SEC. 9 1/2x3 1/2x1 1/2 \$5.95

AIR PADDER CAP

ALL PADDER CAPS. REQUIRE SCREW-DRIVER ADJUST.

351-1054 2-8 PF 49¢
03535 2-20 PF 49¢
CIN48785 5-17 PF 49¢
657-73 8-55 PF 79¢
K336534 10-49 PF 79¢
SEL72265-2 8-32 PF 59¢
3D9011V-7 5-14 pf silver-plated Hammarlund, 89¢

JOHNSON #189-6-6; 1.8-13 PF 650 v. 7/16x7/16x9/16, 89¢

JOHNSON #T2-16; 1.9-15.7 PF 325 v. 9/16x5/16 DIA., 89¢
#3D9006V-7 DIFFERENTIAL, 3-6 PF, .045" GAP; 1 1/2x1 1/2, 1 1/2x1 1/2 D. SHAFT. NEW, \$1.95

20-260 PF 0.02" air gap. Tapered plates for linear frequency; precision worm and split right-angle gear drive. Double shaft 1 1/2" lg X 3/16" dia each end. O/A 5x3x2 1/2. #3D9270V-4 \$12.95

COMMAND RECEIVER VARIABLE CAPACITORS, 3-GANG, TRIMMERS & GEARS. 2 1/2x3x4 1/2; 3 LB. #4601, 147 PF, 3-6 Mhz, \$4. #6558, 62 PF, 6-9 Mhz, \$4.

TRANSMATCH ASSY ROTARY INDUCTOR, 16 TURNS, 5-4.15 MICRO-HY. W/VARIABLE CAP. 5-50 MMF. 2000V

RE-MOVED FROM EQUIP. DESIGN FOR 14-50 Mhz. SIZE: 2 1/2x5x5 4 LBS. #B8H502 \$6.95

MAGNETIC FOCUSING YOKE WITH 2 MAG NETS MOUNTED IN RING, RING SIZE 2-1/8" DIA. 5/8" W. 1" HOLE, MAGNETS 5/8"x1/2x9/16 WT: 7 OZ. # MAGNET CIR-7 PRICE: 35¢ 3 FOR \$1.00

MICROWAVE COUPLERS

DIRECTIONAL COUPLERS from 1.7-2.4 Ghz transmitter.

#2CFR/TRC29 Double coupler, DC signal output for power meter and 40 db RF for wavemeter; 3 type C connections, one 1N21 diode connector for DC. 4 1/2x2 1/2x1 1/2 \$8

#3CFR/TRC29 TRIPLE COUPLER which fed P-A. 36 db and 65 db RF outputs; DC output for P-A meter. 4 "C" connections and one 1N21 connector. 5 1/2x2 1/2x1 1/2 \$9.95

#2SLT/TRC29 2-3LUG TUNER, provides isolation, coupling, and impedance matching between 50 ohm klystro output and P-A input. 2 slugs adjust. 10x1 1/2x1 1/2 \$10.

UG-573 C-conn. Used, \$1.25
UG-636 adapts C - ENG 2.50

AM & FM TUNERS

AM FREQUENCY 550 - 1600 KC FM FREQUENCY 88 - 108 MC UNITS HAVE NOT BEEN USED

F.M. TUNER WITH 1/120TH TUBE & DIAL. SIZE 3x2x URC#462 \$3.95
A.M. & F.M. TUNER SAME AS ABOVE URC#2H02 \$4.95

SPIRAL INDUCTO TUNER 60-90MHZ W/50PF PARALLEL 3 SEC. SILVER PL. 4 1/2 TURNS. 3 1/2x1 1/2x2 #37695 RE-MOVED \$5.95

LC-902 ANTENNA INPUT TANK FOR TN-2A/APR-1 TUNING UNIT. FREQ. 76 to 300 MHZ. WITH VARIABLE CAPACITOR, COIL, AND 955 TUBE SOCKET. SIZE: 4x3x3 WT: 4 LBS. UNUSED \$9.95

LC-702 ANTENNA MIXER TANK FOR TN-3A/APR-1 TUNING UNIT. FREQ. 300 to 1000 MHZ. WITH VARIABLE CAPACITOR AND COIL. SIZE: 2 1/2x3 1/2x3 LBS. PRICE: UNUSED \$6.95

LC-701 OSCILLATOR TANK FOR TN-3A. WITH VARIABLE CAPACITOR AND COIL. SIZE: 4 1/2x4 WT: 4 LBS. UNUSED \$8.95

Capacitors listed below are receiver style approx 500 volt spacing. 3 1/2x1 1/2x7/8 3 gang, each 15-280mmf #350ZLDD unused \$4.95

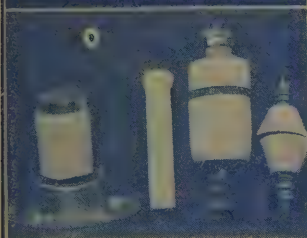
3 gang, 2/25-460, 25-180 mmf. 1 1/2in shaft 1 1/8 inlg #9776 unused \$4.75

3 gang, 15-365mmf each short 3/8 shaft. W/1.2in 1/2in adapter. #906836 unused \$4.50

3 gang, 20-360, 20-280, 20-110. 2 speed drive, 1/2 & 1/8in dia shaft. #33V021H01 \$2.75

2 gang 25-460, 35-200mmf 3/8in shaft, 1/2in long 2 1/2x1 1/2x2 #221657 \$2.00

INSULATORS



STAND-OFF, CROWS FOOT, 7"
HX 1/2" D. CAST BASE, 2 1/2" CTRS.
TOP CAST W/ 3/16"-20 SCREW
#5970-405-8992 \$4.00
SIMILAR, ABOVE 3" 3.00
" 10" 7.00

FEED-THRU INSULATOR (FIG 2)
1 1/2" HOLE 7/8" DIA. W/NECK
3" LONG 30¢ 5" LONG 40¢
6" LONG 50¢ 8" LONG 60¢
STOCK NO. 1014-(LENGTH)
SAME AS ABOVE OVAL TWIN-

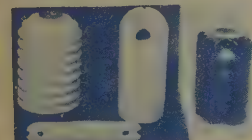
PORCELAIN STAND-OFF INSULA-
TORS, SCREW THREADED.
#P-4H-.75D, 8-24 THRD, \$.50
#P-5H-.75D, 8-24 THRD, .65
#P-6.75H-10, 10-24 THRD, .85

STK.#INS.#1015; FEED-THRU
BRASS BOLT 6 1/2" LONG X 1/2"
W/ NUTS, SPLIT INSULATOR FOR
3/4" THICK MOUNTING WITH
CORK WASHERS, OVERALL LGTH
3 1/2"x2, WT: 2LB. \$2.50

STK.#3G584-1N-84 FEED-THRU
CONICAL SHAPE, 5" LG. O/A;
2 CONICAL SHAPED 1-1/8 LG.
1 1/2" DIA. AT BOTTOM, 1" AT
TOP, 1/4" DIA. ROD WITH 1/4
20 THREAD WITH NUTS/WASHERS
1LB. 25¢ EA. 5 FOR \$1.00

GLASS-BONDED MICALEX STRIPS
10"x1 1/2"x5/8"Th. Five holes
.2" dia. #3G110-160, \$1.50

GE #K7102768P1, same as a-
bove, 7-3/8"x1 3/8"x3/8"Th.
Ten holes, \$3.00 ea.



INSULATOR THREADED BRASS
EACH END FOR 1/4" SCREW.
#CLASS 16U-2 1/2"x1 1/2" \$2.
" 16U-3 1/2"x2" \$3.

INSULATOR STANDOFF FEED-
THRU, THREADED ONE END;
3/8" HOLE. ACE-3"HX1 1/2" \$1.

SPREADER INSULATORS
No. SIZE HOLE PRICE
IN-88 2 1/2"x 1/16 25¢
CSJ-61192 4 1/2"x 3/16 35¢
498-3827 12 1/2"x 3/16 \$2.

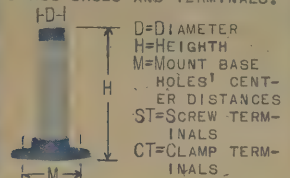
STRAIN INSULATOR
BROWN 2 1/2"x 1 1/2" 1/2" HOLES EA
END, OPPOSITE SIDES. #3G100
PRICES: 79¢ EA. 4 FOR \$3.
Box of 200 \$125.00

ART-13 TRANSMITTER
ANTENNA INSULATOR
PANEL; WITH 3 1/2"x4
OBLONG INSULATOR
WITH TWO SPRING-
TYPE BINDING POSTS. ALSO
A 1/2"x1 AND A 3/4"x2 CONICAL
INSULATORS WITH PUSH-TYPE
BINDING POSTS. WT: 1 LB.
COMPLETE ASSY. USED \$1.00

STAND-OFF INSULATOR
H-1 1/2", B-1 1/2", A-1 1/2", 1/4"
BOLT REQ. 1 1/2" MTG HOLE
#PP-1048 NO HARDWARE
3 FOR \$1.00

STAND-OFF'S

STAND-OFF INSULATORS, CROWS
FEET TYPE. BRASS AND PLATED
BRASS BASES AND TERMINALS.



#B-H3-D1.25-ST3, BROWN CER-
AMIC; M=2.25", TERM. CAP.
SIZE: 7/8"x1-5/8" DIA.
SHPG. WT: 2 LBS. \$2.75

#B-H4-D1.25-ST2, WHITE; M-
2.25". TERM CAP: 1X1-5/8"
DIA. 3 LBS. \$3.25

#XW-H5-D1-ST, WHITE; M=2.25
TERM CAP: 3/4"x1" DIA. \$3.00

#W-H5-D1.25-ST, WHITE; M-
2.625". TERM CAP: 3/8"x1 1/2"
DIA. 3 LBS. \$3.75

#B-H5-D1.25-CT, WHITE; M-
2.25". TERM CAP: 1X1-5/8"
DIA. 3 LBS. \$4.00

#BL-H6-D1.25-ST2, BLACK
PAINT ON BRASS; M=2.625"
TERM CAP: 1 1/2"x1 1/2" DIA.
SHPG. WT: 4 LBS. \$4.25

#W-H6-D1.75-NTH, WHITE;
M=3.75". No TERM CAP;
THREADED. 5 LBS. \$4.50

#B-H7-D1.25-ST, BROWN; M-
2.25". TERM CAP: 5/8"x1-5/8"
SHPG. WT: 3 LBS. \$4.75

#W-H8-D1.75-NTH, WHITE;
M=3.75". No TERM CAP;
THREADED. 6 LBS. \$5.25

FLEXIBLE COUPLING

Insulated flexible coupling
1" x 1/2" for 1/4" dia shaft.
#COUN003 35¢ ea.

CERAMIC COUPLING,
2x2 for 1/2" dia shaft.
#COUN006 59¢ 2/\$1.

#COUN007; 1-5/8" dia. x 2,
for 1/2" dia. shaft. 39¢
#COUN008; 2-5/8" dia. x 2,
for 3/8" dia shaft. 79¢ ea.

***** DOLLAR DAZE *****

TOGGLE SWITCHES, SPST
out-offs, 5/\$1.00

PUSH SWITCHES, SPST
norm-open, 5/\$1.00

SLIDE SWITCHES, 2PDT
and SPDT, 5/\$1.00

SPST ROCKER DIP
SWITCHES for PC
board use. Can
be soldered or
fit in socket.
Grayhill mfg. NEW

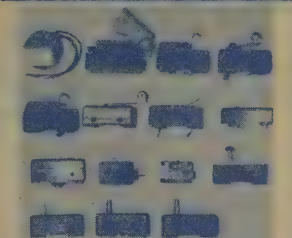
#76SB04, 4 sw, 3.75; 5/\$3.
#76PSB08, 8 sw piano-style,
\$1.25 each or 4/\$4.00

3 DIGIT COUN-
TER, VEEDER
MFG. 1" DIA.
GEAR SHAFT;
1 1/2" DIA. EX-
TERIOR SHAFT

CAN BE GROUND TO 1/2". OVER-
UNDER MOUNTING. 2 1/2"x2 1/2";
BC-1323 COUNTER \$1.00

SELECTOR SWITCH 15 BUTTON,
MAKE ONE BREAK ONE, RELAY
RELEASES ALL BUTTONS WHEN
ACTIVATED, 115 VAC OR 24VDC
Size: 12 1/2"x7 1/2"x2; WT: 7 LBS.
URC#1524115 NEW \$3.95

MICRO SWITCHES



SPST, R-RL2, NORMALLY CLOSED
ROLLER LEVER ASSEMBLY, 15 A
125/250V. 2 1/2"x5/8" \$1.50

SPDT; 3Z-3R244T4; ONE SIDE
NORMALLY OPEN, THE OTHER
CLOSED. PIN PLUNGER; 2x1x2 1/2
\$1.30

SPST; WHBT349A-1, NORMALLY
OPEN. LEVER PLUNGER. 2"x1"
x5/8". \$1.30

SPDT; BZ-2R; ONE SIDE NOR-
MALLY, OTHER CLOSED; PUSH
PLUNGER ASSY. W/MOUNT. 2x1x2 1/2
\$.50

HR07-1P SPST NORMALLY
OPEN, 115 V 10 A. 3/8"
PLUNGER. \$1.75

DPDT; MS25008, ONE SIDE
NORMALLY OPEN, THE OTHER
CLOSED. EXTENDED BUTTON
PLUNGER. 2 1/2"x2"x1" \$1.50

DXGB-5 SP NORMALLY
OPEN, MOUNTED IN HEAVY
FRAME. 1/2" PLUNGER
2 1/2"x2 1/2"x2 1/2" \$1.00

SPDT; WHBT349B-1; ONE SIDE
NORM. OPEN, OTHER CLOSED.
LEVER PLUNGER 2x1x2 1/2 \$1.30

SPST; MU SWITCH TYPE D;
SPLIT DIE CAST ENCLOSURE
W/ 1/2" TAP CONDUIT HUB;
17/8.5A 125/250V. PUSH
PLUNGER; 2 1/2"x2x1" .75

WZ2RW80-D5 SP NORMALLY
CLOSED 3" LEVER. 60¢
2x3/4 SW.

SPST; 2MC3-1A, NORMALLY
CLOSED. PIN PLUNGER.
1 5/8"x2"x2 1/2" .45

SPST; SW-186, NORMALLY
CLOSED. EXTENDED PIN
PLUNGER. 2"x2"x5/8". .25

SPST; G-RS, NORMALLY OPEN.
EXTENDED PIN PLUNGER. 2"x
2"x5/8". .40

SPST; M07-102T, NORMALLY
OPEN. EXTENDED PIN PLUN-
GER. 2"x2"x5/8". .40

SPST; WZ-RS9, NORMALLY
CLOSED. EXTENDED PIN
PLUNGER. 2"x2"x5/8". .40

V3 MICRO-TYPE 10 A. 125/230
A.C. SIZE 9/16"x3/8

V3-21 SPST NORMALLY CLOSED.
V3-23 SPST " OPEN
V3-1 SPDT 1/s NO 1/s NC
V3-21 & 23 35¢ V3-1 50¢

E4-78 MINATURE ELECTRO SNAP
3/8x3/4x1/4 40¢
YZ-3RLTC SPST NO 15 A. AC.
LEVER TYPE 2x2x5/8 40¢

AC LINE CORDS

2-CONDUCTOR appliance cord,
6 ft, molded plug; tinned
ends. Blk or White, 2/\$1.

3-COND. GROUNDED equipment
cord, 8' #18 wire. Molded
plug; grey. #SK-30G \$1.25

ANTIQUE brown CLOTH-COVERED
2-conductor cord for
old electrical equipment;
6 feet. #CC-20 unused \$1.50

2-CONDUCTOR appliance cord,
6 ft, molded plug; tinned
ends. Blk or White, 2/\$1.

3-COND. GROUNDED equipment
cord, 8' #18 wire. Molded
plug; grey. #SK-30G \$1.25

ANTIQUE brown CLOTH-COVERED
2-conductor cord for
old electrical equipment;
6 feet. #CC-20 unused \$1.50

2-CONDUCTOR appliance cord,
6 ft, molded plug; tinned
ends. Blk or White, 2/\$1.

3-COND. GROUNDED equipment
cord, 8' #18 wire. Molded
plug; grey. #SK-30G \$1.25

ANTIQUE brown CLOTH-COVERED
2-conductor cord for
old electrical equipment;
6 feet. #CC-20 unused \$1.50

PUSH SWITCHES



FOUR SPST N.O. PUSH-
BUTTONS ON 3"x3"
CHROMIUM PLATE. TWO
COMMONS; TWO BUTTONS
PER COMMON. USED.
#PSW4-2C, 85¢

SPST NORMALLY OPEN; 3A/250.
PSW002 .35

DPST NORMALLY OPEN; 1A/250.
PSW004 .35

MICRO-SW. SPDT, 1 1/2"
RED BUTTON, 15 A.A.C
MTG. HOLES 1 1/2" CENT.
2 1/2"x1 1/2" #71BP2 \$2.00

JPST INTERLOCK, NORMALLY
OPEN. (3Z9825/254)
PSW006 .35

SPST PULL SWITCH, NORMALLY
OPEN. PSW007 .35

SPST NORMALLY CLOSED; CAS-
ING AS GROUND; 1/2" SCREWS
REQUIRED FOR MOUNT. .35

PSW008 .35

SPST, NORMALLY OPEN
PSW010 .35

SPST, PUSH-LEVER SWITCH,
115 VAC 20 AMP; SILVER CON-
TACTS. P/O 1-199
#1-199-S67 .65

SPST, NORM. OPEN, FITS 5/8"
HOLE. J-3-PB .39

FOOT SWITCH

DUAL FOOT PEDAL
SWITCH, 20 amp
norm. open.
Depress pedal
to make; re-
lease to
break. With
7' 3-cond.
heavy cord. 4x4 1/2
x1 1/2, 4 lbs. #LR-FP, \$6.95

FIVE-PUSH SWITCH 2PST NORM.
CL. 1PST NORM. OP. 1PDT.
5x3x1 #PSW5022 \$1.00

SWITCHES

MINIATURE SWITCHES, all new.
Black: blk. White: wh.

DPDT on-on, blk. or wh but-
ton (a); C&K #8221, 65¢
SPDT on-off-on, wh. toggle
(b); Alco #MLD106E, 75¢

DPDT on-on, blk. toggle (b)
C&K #021, 65¢

SPDT on-on, blk. rocker (c)
JBT #MR2-123, 65¢

SPDT on-on, wh. rocker (d);
C&K #7101, 60¢

SPST red or wh. tog. (e),
not mini. #CH381K22 60¢

SPDT mini-toggle, baton
throw; on-on. #7101T 65¢

DPST one side mom. (f) tog-
gle; Alco #CST-023TA, 2/\$1

SPDT n.o./n.c., push button
(g); Ilicon #76-2450, 2/\$1

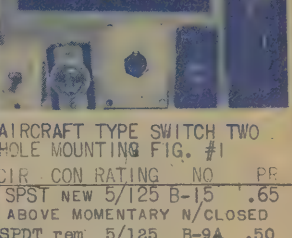
DPDT on-on slide (h), 6/\$1.
DPST sub-mini slide switch;
Chicago EIA 50, 5/\$1.

Interlock switch (i); 10 A.
Cherry #B69-30A, 2/\$1.

DPST one side mom. (f) tog-
gle; Alco #CST-023TA, 2/\$1

SPDT n.o./n.c., push button
(g); Ilicon #76-2450, 2/\$1

SWITCHES



AIRCRAFT TYPE SWITCH TWO
HOLE MOUNTING FIG. #1
CIR CON RATING NO PR
SPST NEW 5/125 B-15 .65
ABOVE MOMENTARY N/CLOSED
SPDT rem 5/125 B-9A .50
(above center-off)
SPDT NEW 12/125 B-1B .30

SPDT REM 5/125 B-7A .55
(CENTER OFF, MOM ONE SIDE)

TOGGLE SWITCHES

TOGGLE SWITCHES SINGLE HOLE
MOUNTINGS: CONDITION NEW &
"REM" REMOVED FROM EQUIP-
MENT, ALL GUARANTEED.

CIR CON RATING NO PR
SPST REM 8/125 88T/K2 .35
(ABOVE SWITCH MOMENTARY)
SPST REM 6/125 SW-105N .30

SPDT REM 8/125 ST-13D .25
("ON" BOTH SIDES)
DPST REM 3/125 7463954 .25

DPST REM 10/125 ST-52K .40
DPST REM 3/125 SW-3125 .30
DPDT REM 5/125 ST-22R .35

3PST NEW 15/125 SW3115 1.00
4PST REM 15/125 7661K5 1.00

TEN PUSH SWITCH STRIP EACH
D.P.D.T. INDIVIDUAL HOLD OR
COLLECTIVE OR RELEASE NEW
12x4x3/4; NO.4C5231 \$2.25

ROCKER SWITCHES
0319 SPST
39¢ 3 FOR \$1.00

0348 DPDT
59¢ 2 FOR \$1.00

0320 SPDT MOMENTARY BOTH
SIDES. 65¢ EA. 2 FOR \$1.20

0347 DPDT MOMENTARY BOTH
SIDES. 80¢ EA. 2 FOR \$1.50

PUSH
BUTTON
SELECTOR

WHITE BUTTONS, 1THRU 4
SEPARATE CONTACTS, 5,6,7
MAKE 2,3,4 RESPECTIVELY W/
COMMON. RED BUTTON RELEASES
ALL. RATED @ 120/240VAC 8/
SIZE: 4 1/2"x2 1/2"; WT: 2 LBS.
GE#ASP8128-417 UNUSED \$1.75

LEVER SWITCHES

4PDT ONE SIDE 2PDT
OTHER SIDE, BOTH SIDES
MOM.# 1155 NEW \$2.00

TV-2 tube test Pl
lever sw; make 2-
break 2. Removed \$2.

2PDT ONE SIDE, OTHER
2 MAKE,
P/O EE-2, USED \$1.00

8PDT & 4MAKE MOM. ONE SIDE
OTHER SIDE ONE BREAK HOLD.
CENTER OFF. SW-1323 USED \$1.

4PST EA. SIDE NORM. OPEN &
HOLD, CTR. OFF 3Z9818-9.1 N \$2.

2PDT ea. side of switch, no
center off. SW#649-31 \$2

PUSH TYPE IP, NC/IP NO/ 2/
SPDT SINGLE HOLE MTG.
WE#168173 UNUSED \$2.00

4PDT HOLD BOTH SIDES, CTR
OFF, SINGLE HOLE OR 4SCREW
MTG. SWITCHCRAFT 4PDT N \$2

2PST ONE SIDE ONLY HOLD, CTR
OFF, ONE HOLE MTG.
SWITCHCRAFT 513148 NEW \$1

2PST ONE SIDE ONLY HOLD, CTR
OFF, ONE HOLE MTG.
SWITCHCRAFT 513148 NEW \$1

2PST ONE SIDE ONLY HOLD, CTR
OFF, ONE HOLE MTG.
SWITCHCRAFT 513148 NEW \$1

2PST ONE SIDE ONLY HOLD, CTR
OFF, ONE HOLE MTG.
SWITCHCRAFT 513148 NEW \$1

EQUIPMENT BLOWERS

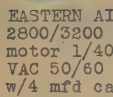


FASCO BLOWER, 200 CFM, 115 VAC 60 Hz. 2.2 amp @ 3200 RPM. 4 1/2" dia. inlet; outlet 3x3 1/2. Flange mounting 4 1/2x4 1/2. O/A 8x8x8; 12 lbs. sh. #60755-J448, used, \$10. ADAPTER for 2 1/2" dia. inlets, \$3.00

TRC-29 XMITTER BLOWER, 200 CFM, 115 VAC 60 Hz 1.2 amps @ 3300 RPM. 4-5/8" dia inlet; outlet 2 1/2x1 1/2. Motor mount. With 10 mfd capacitor. Overall: 8x9x8, 12 lbs. Used \$14.95



TORRINGTON BLOWER, 200 CFM 220 V 3000 RPM (100 CFM 115 VAC 1500 RPM). 4" dia intake; 2 1/2x3 out. Outlet mtg 4" dia. O/A 7x7x7 1/2, 10 lb Torrington #AL3980, unused \$18.95



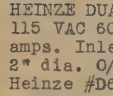
EASTERN AIR TWO SPEED BLOWER, 2800/3200 RPM capacitor-start motor 1/40 HP 0.38 amp 115/230 VAC 50/60 Hz. Mounted on base w/4 mfd capacitor, terminal strips. Approx 150 CFM. Intake 3" dia, outlet 1 1/2x2 1/2. O/A 8 1/2x11x6 1/2, 14 lbs sh wt. EAD#B747M1-C, used, \$12.95



FASCO DUAL BLOWER 50 C.F.M. 115 VAC 60 Hz 0.74 amp @ 2800 RPM. Outlets 2x1-5/8. One outlet is parallel to mounting base; other is at 90, but can be modified as shown in picture. Inlets 2 1/2" dia. Overall 7 1/2x6x5 1/2, 12 lbs sh. Fasco type 21, #127S217, unused, \$10.00.



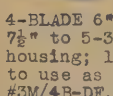
ORDANANCE BLOWER 6 VOLTS DC, approx 150 CFM with turbine-type impeller. Intake 3", outlet 1" dia. Overall size: 6 1/2x6 1/2x4, 7 lbs sh wt. ORD#G486392, used, \$7.95



HEINZE DUAL BLOWER 120 C.F.M. 115 VAC 60 Hz, 3000 RPM 0.6 amps. Inlet 2 1/2" dia, outlet 2" dia. O/A 8 1/2x6x6, 13 lbs sh. Heinze #D6032J52, used, \$8.95



5-BLADE 7" DIA FAN in 7 1/2" dia X 6" h housing; 115 VAC 60 Hz. Can probably be adapted to duct fan. With 2 mfd capacitor; 9 lbs sh. #14-20/5B-DF, used, \$14.95



4-BLADE 6" DIA FAN in conical 7 1/2" to 5-3/8" dia X 7" high housing; 115 VAC 60 Hz. Adapt to use as duct fan. 8 lbs sh. #3M/4B-DF, used, \$9.95



FAN-TYPE BLOWER, 115 VAC 60 Hz 20 watts; 4" plastic fan blades. Open frame low-noise motor in metal case-mount-type frame. Approximately 100 CFM. 13x5x2, 5 lbs sh. Howard #1075-3102, used, \$4.50



HEATSINKS

9x4x1 1/8" ALUMINUM. DRILLED FOR 3/10-3 #3T941 UNUSED \$2.75
12x4x1 1/8" ALUMINUM. DRILLED FOR 4/10-3. #4T1241 UNUSED \$3.35

BLACK TAB MTG HEATSINK WITH 2/2N3055 OR EQUAL W/HDRW INSULATOR, RESISTORS 4 1/2x1 1/8x2 1/2 (4 7/8) TOTAL #HSW/2T REMOVED \$2.00

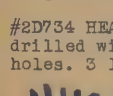
#HSW/1T, SIMILAR TO ABOVE BUT WITH ONE TRANS. SIZE: 3-7/8x2-7/8x1-1/8, \$.85 EA. 4 FOR \$3.

#THS, SIMILAR TO ABOVE; NO TRANS., 2 FOR \$1.

#DHS, SAME AS ABOVE, ANODIZED DRILLED FOR DO-4 DIODES. 3-7/8x2 1/2x1-1/8, 2 FOR \$1.00

DUAL TO-36 HEATSINK, 3x3 1/2x1-3/8; flange mounting. #HSTO36, \$.75 each or 3 for \$1.00

#3DS23-8 HEATSINK, 5x3x1-9/16; drilled for 3 large stud rectifiers (1" dia recesses), \$2.



#2D734 HEATSINK, 7x4 1/2x2 1/2, drilled with two 25/32" dia. holes. 3 lbs sh. Unused, \$3.50

SERIES 680 HEATSINKS, 1 1/2" sq. NEW #1.0G-5-5, 1" high with 0.35" dia. hole for rectifier, 85¢ ea. #.75A-16-1, 0.75" high for TO-3 transistor, 75¢ ea.

COMPACT AXIAL FANS



AXIAL FANS, 4 1/2" square X 1 1/2" thick; 115 VAC 60 Hz. Removed from equipment; guaranteed. ROTRON WHISPER Fan, 3-blade; 7 watt. \$10.95

Howard CYCLOHM, 5-blade; metal housing. 50/60 Hz 21/18 watts. #SPN3-15-3450, \$9.95
IMC BOXER FAN, 220/240 VAC 50/60 Hz 0.1 amp; 5-blade in metal housing, \$11.95
ROTRON BT2A-1 BISCUIT Fan, right angle 1"x2" out-take; 115 VAC 50/60 Hz 16 watts, \$12.95

SPRITE FAN

Small 3-1/8x3-1/8x1-5/8 size. Seven blade plastic fan in die cast housing. 115 VAC 60 Hz. 2 lbs. sh. NEW, \$12.95



FIVE BLADE COOLING FAN, 4-5/8" dia. rotational no enclosure. Mounting bracket hole centers 5-7/8" apart. 115 VAC 60 Hz. 2 lbs. sh. Airtrol #11-2100, NEW, \$4.95

OPEN FRAME COOLING FANS, 115 VAC 60 Hz; metal or nylon blades. Removed from equipment.

#3M-35, 3 1/2" blade rotation, \$2.50
#NCR-50, 5" blade rotation, \$3.50

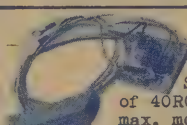
HEATSINK ASSEMBLIES



LARGE HEATSINK BANK consisting of five 12 1/2" L x 5"W x 1"Th heatsinks and 19 transistors similar to 2N3055's. Assembly originally part of 4 V. 75 amp power supply. Use as-is or dismantle for parts. O/A 13 1/2x5 1/2, 12 lbs sh. Removed f/equip. #HSB4-75, \$16.95

#75-4-2400 SERIES 400 HEATSINK with two 1 1/2" dia. power rectifiers at least 100 PIV 100 amp each. Size: 5x5x6 w/-5/8" fins. 8 lbs. sh. Removed, \$15.

#75-4-400S SERIES 400 HEATSINK with 7/8" dia. SCR at least 100 PIV 100 amps. Size: 5x5x4, 4 lbs. sh. Removed, \$5.95



CROWBAR OVP

SCR CROWBAR CIRCUIT, consists of 40RCS5 SCR rated It 63 A 50 V-max. mounted with thermal switch and two resistors. Potted assembly has trigger voltage adjust 4-7 V. Use with 5 V supplies for overvoltage protection or modify for other uses. #CRBR-40, NEW, \$4.95

MILITARY TEST SETS

AN/TRM-3 SWEEP GEN. 15-400 Mhz AM-FM, \$295.
AN/URM-99 IFF TRANSPONDER TEST SET, \$295.00
AN/URM-76 TEST METER for AN/ARC-34, \$50.00
FR-4/URM-79 FREQ. METER, 100 KHz-20 Mhz, \$75.
FR-5/URM-80 FREQ. METER, 10-500 Mhz, \$75.00
FR-6/URM-81 FREQ. METER, 100-500 Mhz, \$85.00
FR-38/USM-26 COUNTER, like HP824B, exc-\$135.
IM-36B/URM-106 RI-FI SET, 14-250 KHz, WRITE
SG-299 SQUARE WAVE GENERATOR, 1 Hz-1 Mhz, \$45
FR-114/TSM-16 FREQUENCY METER w/6-NIXIE tube readout, 20 Hz-1 Mhz; 70 lbs sh. \$75.00
AN/PDR-54 RADIAC SET, detects and measures alpha radiation, 0-100K counts/min., \$45.00

SG-321 LOW FREQUENCY FUNCTION GENERATOR, .008 to 1200 Hz square, triangular, or sine wave in five multiplier ranges. Max. output: 33 V p-p. Synch pulse 22.5 V peak neg., less than 5 u-sec duration. Internal impedance: 40 ohms. Output balanced or single-ended; 19 tubes. Requires 115/230 VAC 50-400 Hz. 12x19 1/2x14 1/2, 65 lbs sh. Unused, \$85.00



HEWLETT-PACKARD

HEWLETT-PACKARD TEST METERS, used-complete; add \$30 for "checked" price. Manuals, \$7.50 each when purchased with a meter.

HP-400D VTVM, 0.0001 to 300 V-rms in twelve ranges; -50 to +60 db. 10 Hz-4 Mhz response. 23 lbs sh. Repairable, \$65.00

HP-400DR, same as above, except rackmount; 30 lbs. \$60.

HP-400HR, similar to "DR" but twice as accurate plus a 5" mirrored scale; 30 lbs. \$75.



HP-410B VTVM features 20 Hz to 700 Mhz response for 1 to 300 V-rms in 6 ranges, to 1000 VDC in seven ranges; also ohm scales X1 thru X1M. With HF AC probe. 15 lbs sh wt. Repairable, \$79.50

HP-411AR RF MILLIVOLTER, 3 mv to 10 V over 500 KHz to 1 Ghz range. Rackmount; 22 lbs sh wt. Repairable, \$100.00

HP-412AR DC VOLTMETER, 1 mv to 1000 VDC in 13 ranges. Also 1 microamp to 1 amp and 1 ohm to 100 megohms. 1% design accuracy. Has mirrored scale; rackmount. 25 lbs sh. \$100.00

HP-413AR DC NULL VOLTMETER, has thirteen zero-centered ranges from 1 mv to 1000 VDC plus expanded scale. Rackmount; 18 lbs. \$75.

HP-425AR DC MICROVOLT-AMMETER, 1 uv to 1 V and 1 p-amp to 3 ma; 28 lbs. Checked, \$160.

HP-430C MICROWAVE POWER METER designed for frequencies up to 40 Ghz and as low as 10 Mhz when used with proper thermistor mount. Power readings from 0.1 to 10 MW; -20 to +10 db. See 4/77 Ham Radio for amateur usage. 21 lbs sh. Used, no thermistor mt., \$45.00

HP-430C with HP-477B 10 Mhz to 10 Ghz thermistor mount, repairable, \$100.00

HP-3440 DIGITAL VOLT-METER with HP-3445 AC/DC plug-in; 0.001 to 999.9 VAC and VDC. 10 megohm impedance; manual, auto, remote ranges. 25 lbs sh. \$180.00

HP-212A PULSE GENERATOR, 0.07-10 used, \$50.

HP-302A WAVE ANALYZER, 20 Hz-50 KHz; high selectivity and sensitivity, 10 Hz resolution. 30 uv-300 Vrms and 75 db range \$325.

HP-500BR FREQUENCY METER, 3 Hz-100 KHz, \$45.

HP-608BR SIGNAL GENERATOR, 10-480 Mhz AM, 0.1 uv-1 volt output; rackmount, \$995.00

HP-650A TEST OSCILLATOR, 10 Hz-10 Mhz; 30 uv to 3 volts, 600 ohms input, \$115.00

HP-685A SWEEP OSCILLATOR, 5.2-8.5 Ghz, \$200.

USED-REPAIRABLE QUANTITIES LIMITED

AD-YU 206A MICROWAVE PHASE and TIME DETECTOR, 1100-6000 Mhz with adapters and book, \$495.

BOONTON 160A Q METER, 50 KHz-75 Mhz, \$125.00

BOONTON 190A Q METER, 20-260 Mhz, \$235.00

BOONTON (HP) 8900B PEAK POWER CALIBRATOR, 50-2000 Mhz pulsed RF power, \$225.00

FLUKE 801 DC DIFFERENTIAL VOLTMETER, \$25.00

FLUKE 803B AC-DC DIFFERENTIAL VOLTMETER, \$100.

GENERAL RADIO 546C MICROVOLTER, \$65.00

GR-740B CAPACITANCE TEST BRIDGE, \$95.00

GR-716B CAPACITANCE BRIDGE, to 1.1 uf, \$115.

GR-916A IMPEDANCE BRIDGE, 0.4-60 Mhz, \$125.

GR-1390B NOISE GENERATOR, 5 Hz-5 Mhz, \$75.00

GR-1551A AUDIO LEVEL METER, \$95.00

GR-1564A SOUND and VIBRATION ANALYZER, \$145.

GR-1605A IMPEDANCE COMPARATOR, 2 -20M \$165.

GR-1611A CAPACITANCE BRIDGE, to 1.1 uf, \$100.

GR-1652A RESISTANCE LIMIT BRIDGE, \$145.00

GR-1159 RECIPROCATING COUNTER, "as-is" WRITE

KROHN-HITE 3500 BANDPASS FILTER, solid-state 200 Hz-200 KHz, with book, NEW, \$125.00

MEASUREMENTS 65B SIGNAL GENERATOR, 75 KHz to 30 Mhz in five ranges; 2.2 V output \$125.

NORTH ATLANTIC VM-301 PHASE ANGLE METER, 10 Hz-100 KHz; 0 null detect-0° sensitive, \$215.

RUBICON 2786 uv POTENTIOMETER, 0-1111.1 uv (.01 uv/step) & 11111.0 uv (0.1 uv), \$165.

TELONIC PD-9B SWEEP GENERATOR, 225-400 Mhz, metered for 40 watts, CW, 20 W RF, \$250.00

SIGNAL GENERATORS

HEWLETT-PACKARD 606A, 50 KHz to 60 Mhz AM in six bands. Output: 0.1 uv to 3 volts into 50 ohms, vernier and step controlled. Features constant output and modulation and low distortion.

10 $\frac{1}{2}$ x 19 x 13 $\frac{1}{2}$, 50 lbs sh. Used, checked, \$795.00

TS-418/URM-49, 400-1000 Mhz AM, CW, pulse. Output: 0.2 to 200K uv into 50 ohms. 12 $\frac{1}{2}$ x 17 $\frac{1}{2}$ x 13 $\frac{1}{2}$, 70 lbs sh. Used, repairable, \$175.00

TS-419/URM-64, 900-2100 Mhz CW and pulse @ 1 MW max. into 50 ohms. Repetition rate between 40 and 4000 pulse/sec. Delay: 3 to 300 u-sec. 14 x 17 $\frac{1}{2}$ x 11, 50 lbs sh. Used, repairable, \$165.

TS-403/URM-61, 1.8-4.2 Ghz CW, FM, pulse @ 1 MW into 50 ohms. Similar to HP-616B. 17 $\frac{1}{2}$ x 13 $\frac{1}{2}$ x 13 $\frac{1}{2}$, 65 lbs sh. Used, repairable, \$185.00

AUDIO OSCILLATOR

TS-382* AUDIO OSCILLATOR, 20 Hz to 20 KHz in four bands. Output: 0 to 10 volts across 1000 ohms. With built-in 60 and 400 Hz reed frequency meter. Size: 10 x 12 $\frac{1}{2}$ x 18 $\frac{1}{2}$, SHPG. WT: 50 LBS. NET: 45 LBS. PRICE: USED, REPAIRABLE, \$49.50. CHECKED, \$65.

TS-382F AUDIO OSCILLATOR, MOST RECENT VERSION TS-382. USED, REPAIRABLE, \$60. CHECKED, \$75. TRANSIT CASE F/TS-382F, USED, \$10.00.

50 TO 400 MHZ FM

SG-3/URM-70 FM SIGNAL GENERATOR, 50-400 Mhz in three bands. Internal modulation @ 1000, 1600, or 20000 Hz. External: 250 to 75 KHz. FM deviation: 0-15-75-150 KHz (50-100 KHz), 0-30-150-300 KHz (100-200 Mhz), and 0-60-300-600 KHz (200-400 Mhz). Output: 0.1 to 100K u-volts, -25%. 50 ohm output. Power required: 115 VAC 60 Hz. 15 x 11 $\frac{1}{2}$ x 17 $\frac{1}{2}$; 80 lbs sh. Used, repairable, \$225.00 Checked, \$295; MANUAL, partial repro, \$10.

GENERAL RADIO VTVM

GENERAL RADIO 726A VACUUM TUBE VOLTMETER, the old GR-style in $\frac{1}{2}$ " thick walnut cabinet dating to late-1930's. Measures peak RMS voltages with full scale ranges 0-1.5-5-15-50-150 VAC. Input impedance: 5 megohms at audio frequencies; decreases at higher frequencies with 380 Mhz resonance when probe is used. Has tubes 1V and 6Q7 and schematic. requires 115 VAC 60 Hz. Size: 9 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 13 $\frac{1}{2}$; 21 lbs. sh. Used, repairable-less probe, \$27. W/probe, \$35

VOLTMETER-VLF RECEIVER

ME-71/FCC AUDIO LEVEL METER, covers 20 to 500 KHz continuously tunable. As selective detector, it measures RF carrier across a 135 ohm balanced or 600 ohm unbalanced line. Variable attenuator provides input sensitivities from -70 to -42 dBm indicated on 3 $\frac{1}{2}$ " dia. meter. Includes 100 KHz calibrator. Input impedance: 10K ohms. Audio gain and two phone jacks. Various models ("C" pictured). Power required: 115 VAC 60 Hz. 17 x 14 x 9; 40 lbs sh. ME-71, w/NATIONAL-TYPE DIAL, USED, \$40.00 ME-71B, USED, REPAIRABLE, \$45. ME-71C, \$50. OPERATIONAL, ADD \$30. MANUAL, REPRO, \$8.50

DISTORTION ANALYZER

HEWLETT-PACKARD DISTORTION ANALYZER MODEL 330BR. WILL GIVE QUICK ACCURATE MEASUREMENTS OF DISTORTION AS LOW AS 0.1% AT ANY FREQ FROM 20 CPS TO 20,000 CPS. IT WILL MAKE NOISE MEASUREMENTS OF VOLTAGES AS SMALL AS 100 MICROVOLTS. THE ANALYZER HAS HIGH SENSITIVITY AND HIGH STABILITY. ITS CIRCUIT 20 DB AMPLIFIER, OSCILLOSCOPE TERMINALS, AND PRECISION VACUUM TUBE VOLTMETER WHICH IS USEABLE SEPARATELY. EXCEPTIONALLY USEFUL FOR ALL KINDS OF AUDIO MEASUREMENTS IN RECORDING, BROADCAST, MOTION PICTURE, LABORATORY ETC. SIZE: 8 $\frac{1}{2}$ x 19 $\frac{1}{2}$ x 13 $\frac{1}{2}$ (RACKMTE) WT: SHPG. 40 LBS. PRICES: USED REPAIRABLE \$185. CHECKED \$225.

TS-723-C SPECTRUM ANALYZER, MILITARY VERSION OF HP-330B; USED, REP, \$165. CHECKED, \$210

FM SIGNAL GENERATOR

SG-12/URM- FM SIGNAL GENERATOR, 19.5 to 102 Mhz FM IN FIVE BANDS WITH DEVIATION RANGES 0 to 25, 50, AND 100 KHz; 1000 Hz MODULATION. ALSO IF OUTPUTS ON 1.4, 2.515, 2.65, 2.88, 4.3, 4.45, 5.0, 5.35, 15 Mhz, PLUS TWO SPARE POSITIONS. CALIBRATED OUTPUT VOLTAGES: 0.5 uv to .01 VOLTS (RF); 0.5 uv to 1.0 v (IF). OUTPUT IMPEDANCES: 10 OHMS (RF); 25 OHMS (IF). WITH 1 Mhz AND/OR 2 Mhz CRYSTAL CALIBRATOR MARKERS. POWER REQUIRED: 115/230 VAC 50-1000 Hz. SIZE: 12 x 18 x 12; SHPG WT: 85 LBS. Used, repairable \$165 \$125; Checked \$225 \$185. MANUAL for SG-12, partial reproduction, \$12

FREQUENCY COMPARATOR

CM-212/USM-144 FREQUENCY COMPARATOR, USED WITH FREQ. COUNTERS TO DETERMINE WITH HIGH ACCURACY FREQUENCIES FROM 10 Mhz TO 12.4 Ghz. MEASURES CW, FM, AND PULSE MODULATED RF SIGNALS. AN UNKNOWN SIGNAL IS FED INTO THE USM-144 AND IS COMPARED TO A MIXED FREQ. GENERATED FROM A STABLE AND CONTINUOUSLY ADJUSTABLE FUNDAMENTAL FREQ. FROM 100 TO 220 Mhz. THE DIFFERENCE IN THE UNKNOWN IS SHOWN ON A 2" DIA. (2BPI) SCOPE. FINAL DETERMINATION OF THE INPUT SIGNAL IS MADE BY THE ZERO BEAT OF THE FUNDAMENTAL FREQ. AND THE MULTIPLYING OF THAT VALUE BY THE APPROPRIATE HARMONIC. POWER REQUIRED: 115 VAC 50-440 Hz. SIZE: 19 $\frac{1}{2}$ x 13 $\frac{1}{2}$ x 13 $\frac{1}{2}$, SHPG. WT: 65 LBS. USED, REPAIRABLE, \$99.50

USM-144 MANUAL, PARTIAL REPRODUCTION, \$8.50

DIGITAL DC VOLTMETER

DIGITEK 251 DC DIGITAL VOLTMETER, uses RTL logic and four Nixie tube display (2/B5441 and 2/B5440). Has 10v, 100v, and 1000v push-button scales. However, original user tagged these meters, "Do not exceed 400 VDC." Units have calibrate and zero select and adjust, over-range neon indicator, and BCD data output board. Sampling rate adjustable 10/sec to one/2 sec; max. interrogation 10 samples/sec. Requires 115 VAC 60 Hz. 4 $\frac{1}{2}$ x 8 $\frac{1}{2}$ x 11 $\frac{1}{2}$, 15 lbs sh. Used, repairable with manual, \$45.00

TS-505 VOLTMETER

TS-505/U VACUUM TUBE VOLTMETER with ranges 0 to 2.5, 5, 10, 25, 50, 100, 250, and 500 Vrms and VDC plus 1000 VDC scale. Also X1 thru X1 Megohm ranges. AC scale is peak indicating. Frequency response: 30 Hz to 5 Mhz. With AC, DC, and ohm probes. Power required: 115 VAC 60 Hz. 9 $\frac{1}{2}$ x 9 x 6; 17 lbs. sh. Used, repairable, \$45. Checked, \$60.00;

3.8 TO 7.5 GHZ GENERATOR

SG-557/TS-621 SIGNAL GENERATOR, 3.8 to 7.5 Ghz; similar to Hewlett-Packard 618. Unit has internal FM, CW, pulsed or square-wave modulation. Pulse rate variable 40-4000 pps. Pulse width: 0.5 to 10 usec. Output: 1.0 MW into 50 ohms directly calibrated into microvolts and db. FM rate: 40-4000 Hz. External sine-wave sync: 40-4000 Hz, 5-50 Vrms amplitude. External pulse sync: 0-4000 pps, 5-50 V amplitude positive and negative; width 0.5 to 2500 usec. Has 29 tubes including 6236 klystron. Requires 105-125 VAC 50-1000 Hz. Size: 17 $\frac{1}{2}$ x 14 x 19 $\frac{1}{2}$, 110 lbs sh wt. Used, repairable with output, \$255-30 \$215. MANUAL r/SG-557/TS-621, partial repro., \$10.

0.1-10 GHZ FREQ. METER

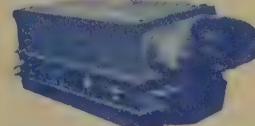
TS-186/UP FREQUENCY METER, measures frequencies from 100 Mhz to 10 Ghz using harmonics of a 50-1250 Mhz heterodyne oscillator. Zero beat dial readings are interpolated into frequencies via a calibration book. Zero beat indicated on an 0-1 milliammeter or monitored through a 600 ohm headphone jack. RF signal input must be from 500 MV to 1 V for proper use. With tubes 2C40, 95B, 5Y3, 2/OD5, and 5/6SJ7. Power required: 115 VAC 50-1000 Hz. 9 $\frac{1}{2}$ x 8 $\frac{1}{2}$ x 20; 48 lbs. sh. Used, repairable \$255 \$75; Checked, \$185 \$110. MANUAL r/TS-186, partial reproduction, \$8.50

TRANSISTORIZED SCOPE

OS-106/USM-117 TRANSISTORIZED OSCILLOSCOPE, DC to 5 Mhz bandwidth, 4Q2 rectangular CRT, and is very compact. Includes MX-2996 high gain vertical plug-in plus has dual-trace capabilities when used with MX-2995 plug-in (not available). Sweep range: 0.1 usec to 0.1 sec in 19 calibrated steps in 1, 2, 5, 10 sequence. Vertical sensitivity: 0.01 v/div to 20 v/div in 11 calibrated steps in 1, 2, 5, 10 sequence, variable to 50 v/div. Input impedance: 1 Mohm shunted by 47 pf. Calibrator generates 1 KHz square wave at either 0.04 or 0.4 V p-p. Probe and cover not available. Requires 115 VAC 50-60 Hz or 400 Hz. 8 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x 14 $\frac{1}{2}$; 28 lbs. Used, repairable, \$185.00 Checked, \$285. MANUAL, repro, \$15 w/purchase.

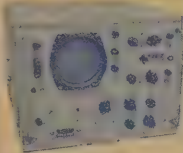
SCOPE ACCESSORY

TS-433B ELECTRONIC SWITCH, provides two independent time bases for an oscilloscope--allowing for the simultaneous display and comparison of two signals. Unit also functions as square wave generator and as a DC chopper amplifier. Expands the capabilities of AC-coupled scopes. Switching rate: 10-2000 times/sec continuously variable. Freq. response: 0-5000 Hz. Square wave generator range: 10-500 Hz with amplitude variable to 30 V p-p. Input impedance: 100K ohms. Output imp: 50K ohms. Max. signal output: 75 V. p-p. Requires 115/230 VAC 50-60 Hz. 10 x 8 $\frac{1}{2}$ x 13, 30 lbs sh. Used, repairable, \$29.95 MANUAL r/TS-433, partial reproduction, \$8.50



TS-34A/UP OSCILLOSCOPE with 2AFL CRT Bandwidth: 30 Hz to 1 Mhz. Risettime: 0.25 to 30K u-sec. Sweep adjustable in three ranges from 10 to 50,000 Hz. Input impedance: 62 ohms (low) or 430,000 ohms shunted by 12 pf (hi). Input sensitivity 0.1 to 1 V. @ low impedance. Requires 115 VAC 50-1000 Hz; 40 lbs sh. TS-34A/UP SCOPE, gov't-reconditioned, \$65.00

DUAL-TRACE PRICE-CUTS



AN/USM-140C OSCILLOSCOPE, DC to 30 MHz MAINFRAME, SIMILAR TO H-P 170A. INCLUDES MX-2930 DUAL-TRACE VERTICAL PLUG-IN WITH DC TO 22 MHz PASSBAND. INPUT IMPEDANCE: 1 MEG-OHM SHUNTED BY 30 PF. INPUT SENSITIVITY: 0.02 VOLT/CM TO 20 V/CM. FUNCTIONS: CHANNEL

A, CHOPPED, A-B, AND ALTERNATE. HORIZONTAL MX-3078 PLUG-IN SWEEP RATE: 0.1 U-SEC/CM TO 5 SEC/CM. HORIZ. SENSITIVITY: 0.1 V/CM TO 10 V/CM. MAGNIFIER X1 TO X100 IN SEVEN STEPS. CALIBRATOR: 0.2 MV TO 100 V IN NINE RANGES. POWER REQUIRED: 115/230 VAC 50-1000 Hz. SIZE: 14x19x22; SHPG. WT: 110 LBS.

PRICE: USED, REPARABLE, \$195. CHECKED, \$295.

AN/USM-105A SCOPE WITH DUAL-TRACE PLUG-IN, SAME AS USM-140 EXCEPT DC TO 15 MHz RESPONSE. PRICE: USED, REPARABLE, \$135. CHECKED, \$195.

OS-8 OSCILLOSCOPE

OS-8/U OSCILLOSCOPE WITH 3RP1 CRT

HIGHLY PORTABLE UNIT HAS DC TO 2 MHz VERTICAL RESPONSE; DC TO 500 KHZ HORIZONTAL. VERTICAL AND HORIZONTAL SENSITIVITY: 0.075 V-RMS FOR 1" DEFLECTION. SWEEP RANGE: 3 TO 50 KHZ. INPUT IMPEDANCE: 9 MEGOHMS SHUNTED BY 11 MMF (DC). DIRECT ACCESS TO VERTICAL AND HORIZONTAL PLATES. POWER REQUIRED: 115 VAC 50-1000 Hz. SIZE: 9x6x13; SH WT: 20 LBS. PRICE: USED, REPARABLE, \$44.50; CHKD. \$69.50

MANUAL for OS-8, partial reproduction, \$8.50



DUMONT 304A SCOPE

DUMONT 304H OSCILLOSCOPE, has big 5" CRT (5CP1). DC to 100 KHz response; usable to 300 KHz. 100 MV full scale vertical sensitivity. Sweep: 2-30 KHz. Max. sweep rate: 1" per u-sec. Input impedance: 2 megohms paralleled by 50 pf. Graticule not included. Power required: 115/230 VAC 50-60 Hz

9x13x19; 65 lbs. sh. Used, reparable, \$45.

304H SCOPE shipped with 5CP7 CRT, \$49.50

DUMONT 304A SCOPE, same as "H" model, but

uses 5ADP1 flat-faced CRT. Used, rep., \$50.

MANUAL for 304A or H, partial repro., \$8.50



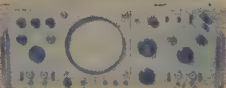
SCOPE FOUNDATION

TS-1273 OSCILLOSCOPE, originally the display unit for a radar test set, but appears to be a good foundation for a compact scope. Features a 3" sq. flat-face (4MP1) CRT. 50 Hz-6 Mhz response; 0.05 u-sec risetime. Input attenuation ranges: .05, .1, .2, .5, 1, 2, 5, 10, and

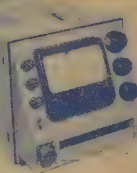
20 v/inch. Selectable input impd: 7 megohms (approx) or 75 ohms. Controls for vertical, horizontal, astig., focus, intensity, vert. attenuator, and impedance. With CRT shield, bezel, and tubes 4MP1, 2/1V2, 5/6814, 2/6BQ5. No sweep generator, horiz. amp, or blanking circuits. Requires 250 VDC deflection volts; +1500 and -1500 VDC high voltage originally supplied from internal oscillator type source. Schematic incld. 17x4x8; 12 lbs. sh. Used, w/all tubes, \$30. W/4MP1 only, \$25.

TEKTRONIX RM503 DC to 450 KHz; 1 u-s/cm to 5s/cm sweep calibrated, to 12 s/cm uncalibrated. Magnifier X2-5-10-20-50.

Sensitivity 1 mv/cm-20 v/cm calibrated; to 50 v/cm uncalibrated. Amplitude calibrator 500 mv and 5 mv p-p V square wave; 5" CRT. 115/230 VAC 50-800 Hz. 7x19x17, 38 lbs sh. Used, reparable, \$165.00; Checked, \$215.00



RADIATION INDICATOR



CP-95/PD RADIAC COMPUTER-INDICATOR, DESIGNED TO SHOW THE AMOUNT OF X- AND GAMMA RADIATION TO WHICH A DT-60/PD (NOT AVAILABLE OR SIMILAR SILVER-ACTIVATED PHOSPHOR GLASS RADIATION DETECTOR TUBE HAS BEEN EXPOSED. AN EXPOSED DETECTOR GLOWS ORANGE IN

THE CP-95'S 4 W ULTRAVIOLET LIGHT. THE INTENSITY OF THE LUMINESCENCE IS MEASURED BY A 931VA PHOTOMULTIPLIER TUBE. THE OUTPUT OF THIS TUBE IS THEN TRANSLATED INTO ROENTGENS AND IS SHOWN UPON A 0-200-600 ROENTGENS METER (SIZE: 4x4x4; FS-100 U.A.) SET INCLUDES FRONT COVER AND TUBES 5726, 5814, 931VA, CK1039 (OR 6143), AND 0A2. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 9x9x17; SHPG. WT: 30 LBS. PRICE: UNUSED, \$27.95; MANUAL, \$5.00

PANORAMIC INDICATOR

IP-173 PANORAMIC SPECTRUM

INDICATOR, SIMILAR TO SINGER SB-8T. DESIGNED TO SCAN AND ANALYZE RF SIGNALS TO IDENTIFY SIGNAL LEVEL, FREQUENCY, AND MODULATION. CAN BE USED TO DETERMINE CORRECT DEVIATION RATIO OF FM TRANSMITTERS. USABLE UP TO 1000 MHz; DISPLAYS UP TO 1000 KHz SPECTRUM WIDTH. CENTER FREQ: 5 Mhz. BANDPASS: 4.5 TO 5.5 Mhz. IF TRANSFORMERS TUNED TO 1.5 Mhz; FM OSCILLATOR MEAN FREQ: 6.5 Mhz. INPUT IMPED: 50 OHMS. DIRECT SENSITIVITY: 100 UV FOR 1" DEFLECTION ON CRT @ 5 Mhz. SAW-TOOTHED SWEEP; RATE 1 Hz (NON-SYNCHED), 5, 30, AND 25 TO 35 Hz VARIABLE. HAS 5UP7 CRT. POWER REQUIRED: 2/6.3 VAC, 265 VDC, AND -1870 VDC. 12x22x20; 68 LBS SH. USED, REPARABLE, \$60.

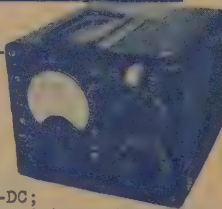
IP-173 less cabinet; fits rack, used, \$45.00
MANUAL for IP-173, partial repro, \$8.50
115 VAC 60 Hz SUPPLY for IP-173, \$25 if purchased w/set. Interconnect cable sold out.
CONSTANT VOLTAGE TRANSFORMER for IP-173 system, 95-130 VAC 60 Hz in; 115 VAC 60 Hz 120 watts out. #SOLA/IP-173, used, \$16 with set.



HIGH FREQUENCY VTVM

ME-180/USM-116 VACUUM

TUBE-VOLTMETER for volt measurements at frequencies up to 100 Mhz with probe and to 700 Mhz when used with coaxial T-connector accessory. Measures 0.01 to 300 V-rms in six ranges; 0.02 to 1000 VDC in seven ranges; 0.02 to 1000 MA-DC; and 0.2 to 1000 megohms. AC input impedance: 8 megohms (20 Hz); 80 kilohms shunted by 1.5 pf @ 50 Mhz. DC input impd: 100 megohms. Unit is electronically similar to HP-410B. With basic test leads and tubes 3/6AU6, 6X4, and 6923/EA52 in the AC probe. Requires 115 VAC 50-60 or 400 Hz. 7x8x12; 21 lbs sh wt. Used, reparable without accessories, \$55.00. Checked, w/o access. \$80.00; T-conn. \$10.00
MANUAL for USM-116, partial repro. \$8.50



FR-148 FREQUENCY METER



FR-149/USM-159 TRANSISTORIZED FREQUENCY METER, COVERS 125 KHz TO 1000 MHz IN THREE RANGES: 125 KHz-2.5 Mhz, 2.5-65 Mhz, and 65-1000 Mhz. CAN BE USED AS A SIGNAL GENERATOR BY PROVIDING EITHER MODULATED OR UNMODULATED SIGNALS.

FREQUENCY FUNDAMENTALS READ DIRECTLY FROM MAGNIFIED AND ILLUMINATED CALIBRATED FILM STRIP AND THEN INTERPOLATED IN ACCOMPANYING CALIBRATION BOOK. OPERATES FROM EITHER SIX "D" CELL BATTERIES OR FROM 115/230 VAC 50-450 Hz. SIZE: 11x11x13; SHPG. WT: 33 LBS. USED, REPARABLE, \$99.50 CHECKED, \$150.00

8500-9500 MHZ TEST SET

TS-148/UP SPECTRUM ANALYZER,

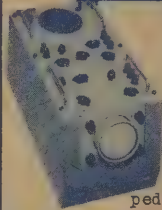
8470-9630 Mhz with 3" CRT (3BP1) display. Measures frequencies of cavities, echo boxes, magnetrons, and local oscillators. Receives CW and pulse; transmits CW and FM carrier. 1 MW power output (2K25). Max. spectra dispersion: 1.5 Mhz/in. Requires 115 VAC 60 Hz. 19x13x25, 45 lbs sh. Used, \$50.00



AN/UPM-33 TEST SET, includes TB-148/UP, wave guides, horn antenna, cables, transit case, and manual; 80 lbs sh. Used, \$85.00

FR-72 TUNED CAVITY for the 8500-9000 Mhz range. 0-30 u-ammeter indicates stored energy. With 1N-23B crystal diode, UG-446 waveguide to N connector adapter, and 8' coax. 16x26x14; 40 lbs sh. Unused, \$34.95

PHASE-TEST SCOPE



MK56 PHASE-TEST SCOPE, essentially an OS-8 oscilloscope modified to check phasing of selsyns and synchros. Major changes are the addition of a phase tune 0-360° dial and enlarged case. Unit has 3RP1 CRT DC to 2 Mhz vertical, and DC to 500 KHz horizontal response. Sweep: 3 to 50 KHz. Input impedance: 9 megohms shunted by 11

pf. Schematic incld. Requires 115 VAC 50-1000 Hz. 9x9x17, 24 lbs sh. Used, reparable \$55.

ORION AC VTVM



ORION V-100M VACUUM TUBE VOLTMETER with 6" X 4 1/2" mirrored scale; similar to Hewlett-Packard 400B. Twelve full scale meter ranges from 0.001 to 300 VAC (rms) or -60 to +50 DB. Response 10 Hz to 4 Mhz. Input impedance 10 megohms shunted by 24 pf (.001-0.3 V) or 14 pf (1-300 VAC). Requires 115/230 VAC 50-1000 Hz. 11x7x11, 22

lbs sh. Used, reparable, \$45. Checked, \$75.

DATA TECH 3312-11



DIGITAL PANEL METER, 0-20 VDC 3 1/2 digits; Data Tech Model 3312-11. Accuracy: ±0.1% reading plus one count. Input impedance: 10 megohms. Has Sperry 7-segment 0.5" readouts.

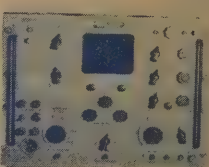
Also auto polarity, overvoltage protection ±200 V., external control and BCD outputs. Uses standard TTL and linear IC's for easy repair. Manual and schematic included. 4" W x 1-7/8" H x 5 1/2" D. 3 lbs sh. Checked, \$39.50

AN/USM-50 OSCILLOSCOPE

WITH 3ADP1 CATHODE RAY TUBE AND 15 MHz BANDWIDTH, RISE TIME FROM 0.022 U-SEC TO 30,000 U-SEC. SWEEP TIME CONTINUOUSLY ADJUSTABLE FROM 0.17 TO 37,500

U-SEC WITH SWEEP DELAY THAT ALLOWS 10% OF SWEEP LENGTH TO BE EXPANDED 10 TIMES FOR SWEEPS GREATER THAN 5 U-SEC. TRIGGER PULSE FROM 10 TO 10,000 Hz WITH 0.15 U-SEC RISE TIME. TIMING MARKERS SYNCHED AT 0.2, 1, 5, 20, 100-500 AND 2000 U-SEC.

VERTICAL INPUT IMPEDANCE: 1 MEGOHM SHUNTED BY 40 UUF FOR ALL ATTENUATOR POSITIONS
HORIZONTAL IMPED: 1 MEGOHM SHUNTED BY 30 UUF
INPUT VOLTAGE: 0.03 TO 90 VOLTS PEAK
INPUT SENSITIVITY: 10 MV/CM-RMS
CALIBRATION: 1 KHz ADJUSTABLE 20 TO 200 MV.
EXTERNAL CONNECTIONS POSSIBLE TO BOTH THE VERTICAL PLATE AND THE HORIZONTAL AMPLIFIER.
POWER REQUIRED: 115 VAC 50 TO 1000 Hz
SIZE: 15x19x16; WT: 80 LBS. LESS PROBES
PRICE: USED, REPARABLE \$75.00
USED, CHECKED \$100.00



TRANSISTORIZED SCOPE



HFE T4214A TRANSISTORIZED OSCILLOSCOPE; ENGLISH MANUFACTURED SCOPE USES PRINTED CIRCUIT CARDS FOR THE PRE-AMP, SIGNAL DEFLECTION AMP, TIME BASE, INTENSITY MOD, AND SWEEP AMP. PROVISIONS ALSO FOR SIGNAL DELAY, TRIGGER PICK-OFF, AND TRIGGER DELAY PC CARDS (NOT AVAILABLE). ESTIMATED FREQUENCY RESPONSE: 300 KHZ LIMITED BY DEFLECTION AMP. USES 5LCP11 CRT; SWEEP IS FROM TOP TO BOTTOM BUT CAN BE CHANGED TO LEFT TO RIGHT. INCLUDES CONTROLS: FOCUS, BRIGHTNESS, ASTIG., SIGNAL SHIFT, INPUT ATTENUATOR (0.1 to 10 V./DIV. IN 7-Steps); TIME BASE (1 u-sec to 10 M-sec in 5-Steps); MULTIPLIER X.5, X1, AND X2; TIME BASE SHIFT, TIME BASE DEFLECTION (EXT/INT); TRIGGER LEVEL; AND FREE RUN/ SINGLE SHOT. SLIGHTLY BENT FRAME; LESS CASE AND POWER PLUG. POWER REQUIRED: 115 VAC 60 Hz OR 12 VDC 1 AMP. SIZE: 9x17x25, SHPG. WT: 60 LBS. PRICE: USED, REPARABLE \$50.00

TELETYPEWRITER SCOPE



TDA-2N TS-1060 TELETYPEWRITER TEST SCOPE, MEASURES BIAS AND DISTORTION OF START-STOP AND SYNCHRONOUS TELEGRAPH SIGNAL ON A 3" CRT. INPUT SPEEDS APPROX. 60 WPM (5 UNIT CODE), 60, 75, 100 WPM 7.42 CODE, AND BAUD SPEED EQUIVALENTS TO 60, 75, 100 WPM (10.42 UNIT CODE). INPUT IMP. 100 OHMS FOR 60MA NEUTRAL; 300 OHMS FOR 20MA NEUTRAL AND 30MA POLAR. MEASUREMENT RANGE 0-50% MARKING, OR SPACING BIAS AND DISTORTION. TUBES: 3RP1, 5651, 0A2, 3/12AT7, 6X4, 0B2, 3/5963, 5726. POWER REQUIRED 115/230V 60HZ. 8x8x15 SHPG. WT: 24 LBS. USED REPARABLE \$34.95 (FOUNDATION UNIT) LESS C.R. TUBE 24.75

ME-9 MULTIMETER



ME-9/TS-352 MULTIMETER, PORTABLE GENERAL PURPOSE VOM. 1000 OHMS/VOLT AC-DC SENSITIVITY OR 20,000 OHMS/V. SENS. DC ONLY. MEASURES AC-DC VOLTS FROM 2.5 TO 1000 V. IN SIX RANGES. DC AMPS FROM 250 u-AMPS TO 10 AMPS IN EIGHT SCALES; OHMS FROM 1X TO 1X10K. WITH 4" METER (FS=50 uA); JACK FOR 5000 VDC @ 20,000 OHMS/V.; AND TEST LEADS. REQUIRES THREE 4 1/2 VDC AND ONE 1/2 VDC BATTERIES (NOT AVAILABLE). SIZE: 11x8x6; SHPG. WT: 17 LBS. USED. PRICE: REPARABLE, \$29.95; CHECKED, \$39.95

TS-375/U VACUUM TUBE VOLTMETER, AC VOLTS RANGES FROM 1.2 TO 120 VAC IN SIX STEPS; DC VOLTS FROM 1.2 TO 300 VDC. FREQUENCY RESPONSE FROM PANEL TERMINALS: 40 Hz TO 50 KHz; OR 10 KHz TO 150 KHz USING PROBES. WITH BOTH AC AND DC PROBES. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 10x10x6 1/2; SHPG. WT: 23 LBS. USED. PRICE: REPARABLE, \$18.95;



MULTI-PURPOSE TEST SET

AN/TRM-1 SIGNAL GENERATOR, covers 0.19-400 Mhz AM using two RF oscillators SG-32 (0.19-30 Mhz in 5-bands) and SG-33 (30-400 Mhz). Internal modulation 0-60% @ 1 KHz or 200-6000 Hz external. Output: 2.5 to 100K u-volts in nine steps; 50 ohm impedance. Built-in voltmeter measures 0-3-30-600 VDC, 0-3-30-300 VAC, and 0-10-100-1000 MW. Also tests performance of 3 to 100 watt transmitters over freq. range when proper coupler and dummy load (not included) is used. Write for availability/price of accessories. Requires 115 VAC 60 Hz. 18x13x8; 65 lbs. Shipped UPS in two cartons. Used, reparable \$135. Checked, \$225. MANUAL, partial repro., \$10.



TEKTRONIX



TEKTRONIX manufactured test equipment removed from service. Sold in "used, repairable" condition. Write for "checked" price. Scopes requiring plug-ins are sold "less plug-in." Qty. ltd.

TYPE 531 DC to 15 Mhz, plug-in type, \$150.00
532 DC to 5 Mhz, plug-in type, 125.00
533 DC to 15 Mhz, plug-in type, 165.00
535 DC to 15 Mhz, with sweep delay, plug-in type, \$185. Checked, \$250.
RM35A rackmount 535A, \$205. Chkd., \$265.
536 DC to 10 Mhz X-Y scope w/T plug-in; requires additional plug-in, \$295.
543A DC to 30 Mhz single time base; x100 mag., plug-in type, \$215.00
545 DC to 30 Mhz with sweep delay, plug-in type, \$250. Checked, \$325.
RM45A rackmount 545A, \$265. Chkd., \$340.
551 DUAL-BEAM to 25 Mhz, uses two plug-ins; with ext. power supply, \$325.
555 DUAL BEAM to 30 Mhz w/sweep delay, Type 21 and 22 time base plug-ins, and external power supply; requires two vertical plug-ins, \$395.00
RM561A compact scope w/2B67 time base plug-in and choice of 2A60 1 Mhz or 2A63 300 KHz diff. plug-in, \$325.
575 TRANSISTOR CURVE TRACER SCOPE, \$315.
RM585A DC to 80 Mhz with sweep delay and 82 dual-trace plug-in, \$525.00
661 PULSE SAMPLING SCOPE w/483 dual-trace and 5T1A time base, \$395.00



VERTICAL AMPLIFIER PLUG-INS for Tektronix 530, 540, and 550-Series scopes and similar scopes by other manufacturers. Various manufacturers. Add \$10 for Tektronix manufactured unit. All "used, repairable."

TYPE B, wide-band, high gain, \$45.
TYPE D, High-gain, DC differential, 35.
TYPE E, Low-level, AC differential, 40.
TYPE G, Wide-band, DC differential, 25.
TYPE K, Fast-rise, WRITE
TYPE L, Fast-rise, high gain, 65.
TEK TYPE CA, dual-trace to 24 Mhz, 130.



TEKTRONIX 180A TIME-MARK GENERATOR, 14 time-mark intervals from 1 u-sec to 5 seconds. Three sine wave freq: 5, 10, & 50 Mhz. Trigger rate freq: 1, 10, 100 Hz and 1, 10, 100 KHz. Power required: 115/230 VAC 50-60 Hz. Size: 13x10x16 1/2, 37 lbs sh. Used, reparable \$95 Used, checked, \$125.00

FAIRCHILD 766H DC to 24 Mhz SCOPE w/76-02A dual-trace and 74-11A delay plug-ins, \$245.
HEWLETT-PACKARD 122AR DUAL-TRACE SCOPE, DC to 200 KHz; 10 mv/cm sens. Rackmount, \$145.
HICKOK 1805 SCOPE, similar to TEK 545A, reparable, \$165. Manual, \$12 w/scope purchase.

FM SIGNAL GENERATORS

BOONTON (HP) 202H AM-FM SIGNAL GENERATOR, 54-216 Mhz in 2 bands. RF output: 0.1 uv to 200 mv into 50 ohms. 0 to 50% internal AM; FM deviation 0-250 KHz in four ranges. 115/230 VAC 50-400 Hz req. 10x16 1/2x18 1/2, 56 lbs sh wt. Used, reparable, \$415.00; Checked, \$495.00

BOONTON 207H UNIVERSTER, adds 100 KHz-50 Mhz FM range to 202H, \$75 when purchased w/202H. MANUAL for 202H and 207H, \$12 w/set purchase.

MARCONI TF1066B/1 FM SIGNAL GENERATOR, 10-470 Mhz AM-FM in five bands. Output 0.2 uv to 200 mv. Modulation 1 KHz or 5 KHz; FM deviation scales -20 and -100 KHz. Requires 115 VAC 60 Hz. 14x19x9, 60 lbs sh wt. Used, checked, \$575 (rackmt.); \$595 w/cabinet



FREQUENCY METERS



AN/URM-32 FREQUENCY METER: 125 KC TO 1000 MC IN THREE RANGES, CAN ALSO BE USED AS A SIGNAL GENERATOR WHICH PROVIDES A CHOICE OF MODULATED OR UNMODULATED SIGNALS FOR TESTING AND CALIBRATING RADIO EQUIPMENT. SENSITIVITY WITH AN RF OUTPUT OF .05 MW MINIMUM IS OBTAINED. ACCURACY .01%, RF 100 UV MINIMUM ACROSS EXTERNAL 50 OHM RESISTIVE LOAD. FIVE TUBE HETERODYNE TYPE, POWER REQ. 6 VDC 1 AMP. 180 VDC 25 MA., DRY BATTERY OR AC SUPPLY CAN BE USED. METER IS USED TO READ P.S. VOLTAGES. W/CALIBRATION BOOK SIZE: 13x12x13 1/4; WT: 29 LBS.

Price: Used, reparable, \$65. Checked, \$95.
115 VAC 60 Hz power supply, \$20 additional.



LM-21 FREQUENCY METER with AC power supply; Crystal calibrated unit covers 125 to 20,000 KHz in two bands. Design accuracy better than 0.02%.

AM modulation 40% at 500 Hz. Output voltage: 250 u-volts min. Output impedance: 600 ohms. With calibration book, 1000 KHz crystal, and tubes 6A7, 76, 77, 2/991. Requires 115 VAC 60 Hz. Size: 8x8x8 1/2, 14 lbs sh. (meter); 8x8x8 1/2, 15 lbs sh. (power supply). Used, \$24.95 CHECKED, \$50. Set w/RECONDITIONED meter, \$65. POWER INPUT CONNECTOR for meter, \$2.00 each. CONNECTORS (2) for power supply, \$2.00 each. SHOCKMOUNT, \$2.50 MANUAL, \$7.50 METER ONLY, less tubes, xtal, cal-book, \$12.

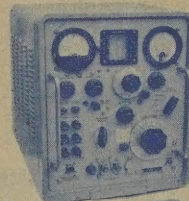
PLUG-INS FOR HP-524 AND SIMILAR COUNTERS. USED, REP. ADD \$10 FOR HP MFG.

MX-1637 10-100 Mhz, \$35.
CV-594 100-220 Mhz, \$25.
HP-525C 100-500 Mhz, \$125.
HP-526A VIDEO AMP, \$40.
MX-1636 TIME INTERVAL, \$25.00
HP-526C PERIOD MULTIPLIER, \$40.00

TRANSIT CASES F/525-526 PLUG-INS. STEEL (11x8x8), \$5.00. FIBERGLASS (14x9x9), \$10.00



TS-510A SIGNAL GENERATOR



TS-510A/USM-44A SIGNAL GENERATOR, 10 to 420 Mhz AM, CW, and pulsed carrier. Internal modulation 400 or 1000 Hz. External mod: 100 Hz to 20 KHz. Output: 0.1 uvolt to 0.5 volt into a 50 ohm load. Large 3 1/2" round meters indicate Percent Modulation and Output Volts-DEM. With built-in

1 Mhz and 5 Mhz crystal calibrator. Similar to Hewlett-Packard 608D. Power required: 115/230 VAC 50-1000 Hz. 13x16x21, 80 lbs. Used, reparable with output, \$245.00 \$195.

MANUAL for TS-510A, partial reproduction \$10.

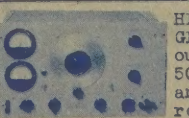
MILLIVAC MV28B RF MICRO-VOLTMETER, 1 mv-3 volts full scale, 20 KHz to 1.2 GHz response. 6" mirrored scale; w/probe Requires 115 VAC 60 Hz; 25 lbs. Used, reparable \$75.



ME-22 DECIBEL METER, measures received testing power for 600 or 8000 ohm impedances. Meter indicates -45 to -25 dbm in 6-steps over 200 Hz to 35 KHz. Used, reparable, \$75.

SG-15/PCM SIGNAL GENERATOR, used with ME-22 as a test power source for gain, loss, and cross-talk measurements. Output: -54 to -25 dbm over 200 Hz-35 KHz, 600 ohms. Used, \$35.

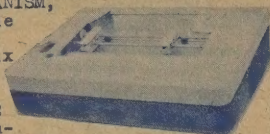
HEWLETT-PACKARD 205AG AUDIO GENERATOR, 20 Hz-20KHz; 5W output into 50, 200, 600, 5000 ohms. Separate input and output voltmeters. Used reparable \$105. Chkd., \$165



PRINTER MECHANISM

MATRIX PRINTER MECHANISM, precision German-made mechanism used in a U.S. assembled matrix printer which has speeds up to 180 CPS bidirectional, 0-132 or 0-158 columns. Includes single platen, ribbon drive, motors, belts, paper guides, etc. In 26"Wx8 1/2"Hx20"D beige plastic case with cast-aluminum base. Cover lifts for easy access. Add your own control/interface electronics and print heads and make it operational. 75 lbs sh wt. #MPM/MI2, unused, \$125.00

#MPM-2P/MI2 MECHANISM, same as above except with dual platen; 80 lbs sh. Unused, \$250.00



PRINTER CASE only as above, #MPC/MI2, \$25.00

PRINTER STAND for the above or other items. 25" high with 13"x24" top support for bolting on desk top or cabinet. Space behind foot panel for storage. Welded steel construction; chocolate brown. O/A 25 1/2"x24x21, 38 lbs sh. Shipped bus or truck only. #PSD/MI2, \$25.00

DATANETICS KEYBOARD as used with matrix printer. 75 keys ASCII encoded. Requires -5, -12 VDC. Assembled keyboard with unassembled, unpainted enclosure. Edge connector, hardware, pinouts incld. \$89.95



MECHANISM PC BOARDS

#217D-242 CARRIAGE-RIBBON MOTOR DRIVER BOARD, provided outputs for red/blk ribbon solenoid, ribbon motors, and carriage as well as voltages for Processor, Controller, and RAM PCB's. Has power transistors 6/TIP142, 3/TIP-140, 3/TIP145, 2/TIP2955, 2/1M320T-12, 2N3055, and related transistors and 74-series IC's; +40 +5 +9 VDC req. \$16.95

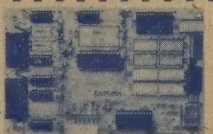
#217D-243 PAPER FEED #1/ HEAD DRIVER PCB, provides outputs for printhead needles, voltages for carriage/ribbon motor PCB, I/O for optical clock, and output to paper feed #2. Has transistors 13/TIP142, 2/TIP145, 2N3055, 4/MPL455P IC's, and 16/74-series IC's. Requires +40, +9, +5 VDC; 8 1/2"x8 1/2". \$18.95

PRINTER POWER SUPPLY as used with above. Has AC outputs 2/24, 6, 18, 42-14-0-14-42 V from 115 VAC 60 Hz input. DC rectification required for proper voltages. Also has line filter for external fan, relay for cover interlock, and two fuses. 11x6x4, 18 lbs sh wt. #803-101, \$17.95

PRINTER INTERFACE PCB

#217E-238 PROGRAMMABLE INTERFACE, has 8080A microprocessor, 8251 programmable communications interface, 2/8255 programmable peripheral interface, 8224 clock generator, 8228 controller, 3/8205 decoders, MC14411 baud rate generator, 4/2111-4 256x4 RAM, 4/4804 1024x4 RAM, 74123, 74196, and 741304. Also four 8-place DIP switches for baud rates 75-110-134.5-150-200-300-600-1200-1800-2400-3600-4800-7200-9600 and sockets for 2/2708 EPROM. Provisions for additional 2/2708, 4/4804, 8251, and secondary transmit-receive components. Requires -9 and +5 VDC; 7 1/2"x10 1/2". \$85.00

#217D-249 SERIAL INTERFACE, has 8212 8-bit input-output port, 8251, MC14411, 75188, 75189, 741308, 741310, two 7413243, 1.8432 Mhz crystal, five 8-place DIP switches for baud select as on #217E-238 interface. Provision secondary xmit-receive components. -12 +12 -5 +5 VDC; 4 1/2"x7. \$27.95



COMPUTER FOUNDATION

DISPLAY CIRCUIT BOARD with EIGHT 3/8" 7-SEGMENT LED READ-OUTS, EIGHT RED LED's, 15 DARLINGTONS, 8 PNP TRANSISTORS 3/C4003 SHIFT REGISTERS, PLUS OTHER COMPONENTS, BLOCK DIAGRAM. 10x3 1/2, #ECR7700, \$9.95

COMMUNICATIONS CIRCUIT BOARD, CONTAINS MODEM CARD WITH 7/1458 OP AMPS (NO SCHEMATIC). MAIN BOARD HAS TMS-6011 UART, INPUT SHIFT REGISTERS, AND GATES (TEN-IC's). ALSO INPUT TRANSFORMERS FOR MODEMS, SELECT WIRING FOR 4- OR 2-LINE INPUT, AND LEVELS 0 DBM, -3 DBM, -6 DBM, OR -9 DBM. MODEM INFO, BLOCK DIAGRAM. #ECR9600, \$12.95



IMPRINTER LOGIC BOARD, THREE 200 VOLT 4 AMP TRIACS DRIVEN BY CONTACTS OF THREE 12 VDC REED RELAYS. ALSO HAS 2/4003 SHIFT REGISTERS, EIGHT DARLINGTONS, EIGHT PNP's, 3/9002, AND A 4049 HEX BUFFER/CONVERTER. W/BLOCK DIAGRAM. 10x4, #ECR9060, \$7.95

CONTROL CIRCUIT BOARD with C4004 4-BIT MICROPROCESSOR, 2/4003 SHIFT REGISTERS, 3/4002 RAM's, AND 8/4001 ROM's. ALSO A 4.704 Mhz CRYSTAL, FIVE OTHER IC's FOR CLOCK AND GATING, 12 IC SOCKETS, BLOC DIAGRAM. 10x5, 3 LBS. #ECR9620, \$13.95



MICROCOMPUTER POWER SUPPLY, USES TWO 3-TERMINAL REGULATORS AND A 723 WITH TIP3055 TRANSISTOR. INPUT: 115 VAC 60 Hz; OUTPUT: -25 VDC 180 mA; -5 VDC 800 mA, -15 VDC 1.25 AMPS. WITH SCHEMATIC. SIZE: 3 1/2"x5 1/2"x4; SHPG. WT: 10 LBS. #ECRPS-744, \$15.00



CREDIT CARD SCANNER, USES AN OPTICAL SYSTEM TO READ THE RAISED NUMBERS OF A CREDIT CARD INTO IN-PHOTO ARRAY. HAS SMALL AC MOTOR TO DRIVE CARD THROUGH THE READER. ALSO LIGHT AND PLASTIC OPTICS, TWO ROCKWELL IC's 10561 AND 15120. WITH DIAGRAM OF CONNECTOR WIRING. 5x5x4, #ECR2020, \$7.95

20-KEY KEYBOARD, 5/8" SQUARE BUSINESS KEYS WITH CHARACTERS: 0 THRU 9, CLR, RST, CRED, CASH, IMP, SEND, RET, CODE, \$, AND ACCT. TWO BUSES: ONE FOR NUMBERS; THE OTHER FOR INSTRUCTIONS. SIZE: 4x4 1/2, WT: 2 LBS. #ECR4835, \$3.95



ECR COMPONENT PACKAGE DEAL THE ABOVE SEVEN ITEMS WITH AN ECR-PREFIX WERE ORIGINALLY COMPONENTS OF AN ELECTRONIC CARD READER SYSTEM. THEY MAY BE PURCHASED INDIVIDUALLY AS MARKED OR TOGETHER AS A PACKAGE FOR \$45.00

PRINTER CONTROL PANEL with switches 3/DPDT C&K U21 toggles, 2/DPDT C&K 8221 push, and one C&K SPDT push sw. Also 1-3/8" dia 8 ohm FM speaker 16-pin DIP switch, 2/16-pin DIP sockets for connection to panel; 4 1/2"x4 1/2". #217D-239, \$4.95

P8085 PROCESSOR PCB

#217D-244 CONTROLLER CPU, directed electro-mechanical functions of printer. Has P8085 MPU with 5.7143 Mhz crystal, 2/8255A programmable peripheral interface, 8253 programmable interval timer, 8212 8-bit I/O, 4/8205 one of 8 decoder, nine 3341 FIFO shift register, 4/2111-1 RAM, 7400, 3/741300, 7413125, 7413161. Sockets for 6/2708. +12, -12, +5, -5 VDC req. \$100.00

#217-246 PROCESSOR CPU, has P8085 w/5.185 Mhz crystal, 8255A, 8212, 8253, 3/8205, 4/2114 RAM, 741300, 741302, 741332, 741393, and 7413244. Also sockets for 4/2708 EPROM. Requires +5 VDC (plus +12 and -5 VDC for 2708's). Originally used with Datametics keyboard; 10x7. \$75.00



COMPUTER TERMINAL

795 VIDEO DISPLAY, CONVERTIBLE INTO A GRAPHICS TERMINAL AS DESCRIBED IN IN SEPT. '76 ISSUE OF 73 MAGAZINE. CONSISTS OF 12" DIAGONAL MAGNETICALLY DEFLECTED CRT, INTERNAL DC-TO-DC CONVERTER, 10-KV SUPPLY, HORIZONTAL AND VERTICAL DEFLECTION AMPS, AND INTERNAL MUFFIN FAN. WITH CONTROLS FOR INTENSITY, HORIZ. AND VERT. GAIN/POSITION. REQUIRES 115 VAC 60 Hz. POWER CONNECTOR NOT AVAILABLE. SIZE: 15 1/2"x17 1/2"x21; SH WT: 100 LBS., 75 LBS. NET. USED, \$59.50 REPRINT Sept. '76 issue of 73 Magazine, \$2.00



CONTROL ASSEMBLIES ON 9x4 HEATSINK. USED, EXCELLENT YIELD ON SEMICONDUCTORS. SHPG WT. 4 LBS EA. SIMILAR TO PICTURE ORDER BY NUMBER

TRANSISTOR CONTROL ASSEMBLY WITH DIODES.

8/T0-3 60V (SIMILAR TO 2N3055) AND 8/T0-66 (SIMILAR TO 2N3054) 60V TRANSISTORS, 8/O.4 OHM 5W AND 8/30HM 3W RESISTORS, 8/O.4 DIODES WITH INSULATED MOUNTING HARDWARE. #7729 \$5.75

TRANSISTOR CONTROL ASSEMBLY, CONTAINS 8/T0-3 AND 8/T0-66 AND EMITTER RESISTORS AS ABOVE. SMALL DIODES AND RESISTORS #0425 \$5.00

CONTROL CLUTCH ASSEMBLY AND HEATSINK 9x4 IN. 8/100V T0-3 AND 2/60V T0-66 TRANSISTORS. FIVE 0.4 OHM 10 W RESISTORS. MORE. #095-8139 \$4.00

SOLENOID DRIVER ASSEMBLY WITH 6/70MFB 300V CAPACITORS, 6/ 60 OHM 3% 10WATT DALE RESISTORS TRANSISTORS AND DIODES. 3LB #340C4587 \$3.50

TALLY LOGIC; 26/2N3643, 2N6027, 3/324, TWO 16 PIN SOCKETS, 500MFD 75V, 2/200MFD 25V 4MINI POTS, RESISTORS, CAPACITORS, DIODES SH WT 2 LBS #691746 \$3.50



REED RELAY

REED RELAY BOARDS LISTED BELOW CONTAIN 12VDC REED RELAYS AND ASSOCIATED COMPONENTS. ORDER BY BOARD NUMBER. SH WT. 3 LBS.

#5336 1/DPST, 4/SPST, 2/4PST, MERCURY WETTED RELAY SPDT, 26 DIODES. \$3.95

#5341 3/4PST, 3/3PST, 2/2PST, 5PST, MERCURY WETTED SPDT, 23 DIODES \$4.95

#5346 12/SPST, DPST, 2/DPST MERCURY WETTED. 5 TRANSISTORS, 51 DIODES, 3/25MFD 50V 47 MED 35V \$5.95

#5351 10/SPST, 10/DPST, 90 DIODES \$7.95

#5361 3/DPST, 4/SPST, MERCURY WETTED SPDT. 6 TRANSISTORS, 24 DIODES, CAPACITORS DIODES, RESISTORS. \$3.95

#E40380 MAGNETIC REED SWITCHES with bias magnets on board, \$4.95

REGULATOR AND PREREGULATOR CARDS, w/current limit and OVP. Not complete regulator. Has transistors, diodes, zeners, resistors, capacitors. Needs about -50 VDC f/preregulator. #RB4561-4, for 4 to 5 V. regulator, \$2.50 #RB6428-32, for 32 to 36 V. regulator, \$2.00

READ & SWITCH CORE CURRENT SOURCE, two 8 V reference diodes, 3 1/2"x2 1/2" heatsink w/two transistors, 6-section inductor, 25 W 75 ohm rheostat, Dale 25 W 31 ohm 1% precision power resistor; 4 lbs sh. #315-CS, \$2.00

TALLY RECEIVER, 15/741's (two in socket), one 723 in socket, four transistors, six trimpots resistors, capacitors, etc. #601740, \$5.95

66-KEY KEYBOARD has upper/lower case letters, numbers, symbols and control keys. Seems to have been part of video terminal. Has IC's 7400, 7402, 2/7403, 7404, 7405, 7410, 74121. Used 78370M control IC (not available). 17x6 1/2"x2, 7 lbs sh. #3103-002-02, used, \$24.00





CPU'S

RAM'S

CB008-1 CPU, \$9.95	8080A CPU, \$4.95
PS085 CPU, 12.95	8205 decoder, 2.00
8212 8-bit I/O 1.75	8228 control, 4.50
8251 programmer 5.95	8255 programmer 4.95
2111 RAM \$3. 4/10.	2114 RAM \$4.95 4/17.
4804A RAM \$5. 4/18.	MCI4411 baud gen \$9.
AY5-1013 UART, 4.00	3341 FIFO \$4. 4/14.
FRI-502E02 FIFO 6.95	1458 dual op-amp 3/1
RC4558 dual op-amp 50¢	MCI489 quad-line, \$1.
7400, 7410, or 7440, one type, 10/1.00	
8224 clk. gen. \$3.00	CL9031 CdSe photo 2/1
FFA103 light reflective transducer, \$1.25	

CMOS IC's, good pull-outs w/'79 date codes:
4013BE 5/1. 4024BE 3/1. 4060BE 2/1.
MCI723C 5/1. MCI741S 3/1. MC3403P 3/1.

MPS6513 equivalent (Motorola w/0139 house #)
NPN RF transistor; 30 V, to 330 Mhz. 6/1.
MPSA14 NPN darl 5/1. 2N3055 NPN 10 A, 75¢
TIP2955 PNP 10 A 85¢ 2N4126 PNP 10-no 6/1
2N6346 unijunct 75¢ TIP120 NPN darl. 75¢
TIP140 NPN darl. 95¢ TIP142 NPN darl. \$1.00
TIP145 PNP darl \$1.00 7808 8 v reg., 3/1.

1 AMP 50 PIV 15/1.	35 AMP 50 PIV \$1.80
400 PIV 12/1.	100 " 2.10
1000 " 6/1.	600 " 3.50
5 AMP 800 PIV, \$1.75	1N3890 100V 12A 4/3.
MR-series, 6 AMP	ZENERS, 1 W: 3.3 3.9
MR750 50 PIV 85¢	4.1 10.2 V 4/31.
MR751 100 " 95¢	11.6 12.0 V 3/1.
MR752 200 " \$1.10	1N2974B, 10 W 10 V
MR754 400 " 1.25	5¢ stud mt. \$1.25
1N1357RA ZENER, 10 W 18 V 5% rev-polarity \$1.	
VARO VTA200/S 200 V 25 amp bridge rectifier,	
c.t. cathode, stud mount, \$1.00 ea. 4/3.	
#50-100A RECTIFIER, 50 V 100 A conservative;	
no hardware or pigtail. House #; 2X1". \$2.	
GEA70EX113, 200 PIV 100 A, no hardware \$5.50	

LED'S RED, T-1 1/2 size 8/1. GREEN 6/1.
DARK RED, HP5082-4697, 6/1.00
7-SEGMENT NUMERIC DISPLAY, common anode, lefthand decimal HP5082-7730 \$1.
SLA-2 DISPLAY; .33", - or -1 and 1, 2/1.00

IC SOCKETS	
16-pin stdn. 4/1.	8-pin low-profile 5/1.
16-pin l.p. 4/1.	14-pin wire wrap 6/1.
22-pin l.p. 3/1.	14-pin standard 5/1.
24-pin stdn. 50¢	16-pin WW 40¢ ea 6/1.
28-pin stdn. 60¢	16-pin l.p. 5/1.
	20-pin l.p. 35¢ 3/1.
	24-pin l.p. 40¢ 3/1.
	28-pin l.p. 45¢ 3/1.
	40-pin stdn. \$1.00

JUMPERS
PCB jumpers, unused.
#50-14P2; two 14-pin, 18" long, \$2.50 1.75
43-16P1; one 16-pin, 12" " 1.50 3/3.
44-16P2; two 16-pin, 48" " 3.00 2.40
43-24P1; one 24-pin, 12" " 2.00 1.50
60-24P2; two 24-pin, 28" " 2.50 1.75
57-28P2; two 28-pin, 4" " 3.50 2.75
44-40P2; two 40-pin, 23" " 4.25 3.25
9-14P1; one 14-p, 23" loose leads, \$1.75
EIA RS232 CABLE, 6 ft cord w/male DP25P plug, female DP25S, and conn. covers, \$14.00 \$10.95
PC BOARD JUMPERS with IC plug and DP25P, 16". 16-pin, #16/DP25P \$4. 24-pin, #24/DP25P \$5.

MOTOROLA K1115A CRYSTAL designed for PC board mount; 7.3728 Mhz. Unused, \$1.95
MOTOROLA SEMICONDUCTOR Data Library (1973), info on 1N-2N-3N-4N semiconductors, \$1.50

COPPERCLAD PCB

Single-side copperclad etching board for making printed circuits. Phenolic (PH) or fiberglass (FIB) backed as noted. Some drilled (d).

PH#	Size	Price	Size	Price	Size	Price
	4x18	\$7.75	10x17	\$1.75	16x18	\$3.00
	17x20(d)	3.00	15x22	3.50	16x32	5.25
FIB#	6x13	1.00	4x24	1.25	11x18	2.25
	13x24(d)	3.25	-Buy 5 or more, take 20% off			

COMPUTER POWER SUPPLIES

SOLID STATE POWER SUPPLY RATED CONSERVATIVELY AND CONSTRUCTED ON RUGGED STEEL FRAME. UNITS HAVE FRONT VOLTAGE ADJUST ±10%, RUNNING LIGHT, AC RESET. ALSO FEATURED IS ADJUSTABLE CURRENT LIMITING AND ADJUSTABLE OVERVOLTAGE PROTECTION. POWER INPUT 115v 60 Hz. REMOVED FROM EQUIPMENT GOOD CONDITION. AC POWER INPUT PLUG \$2.00



RATING	SIZE	SH WT.	No.	PRICE
4v 30A	15x13x7	65 LBS.	926	\$30.00
12v 5A	16x9x7	35	655	37.50
30v 3A	15x19x7	38	889	27.50
20-24v 5.5A	20x9x7	47	332	39.95

DUAL POWER SUPPLY, SAME STYLE AS ABOVE UNITS. -32-36 V 14.7 A AND -32-36 V 10.3 A. TWO INDEPENDENT REGULATORS WITH COMMON BUSS. SIZE: 20x14x12; SH WT: 125 LBS. #450, \$60.00

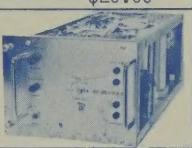
24 VDC 20 AMPS HARMONIC REGULATED, HEAVY CONSTRUCTION. 24 VDC 30 A. INTERMITTENT. 20x13x7, 100 LBS. #4501, \$29.95



CASH REGISTER POWER SUPPLY WITH 6 VDC GEL-CELL BATTERY OUTPUT FOR MEMORY. ALSO +6, +10, +15, AND -24 VDC FROM 115 VAC INPUT. 8x8x7 1/2, 22 LBS. SH. ORIGIN ELEC. #008-0202550A, UNUSED, \$75.00

12 VDC 4VDC 17.5A
12VDC 3.5 AMPS AND 4VDC 17.5 AMPS WITH CURRENT LIMITING AND OVER VOLTAGE PROTECTION. THE 4 VOLT OUTPUT WILL ADJUST TO 5 VOLTS. SIZE: 14x8x6 SH WT 35 LBS. 115v 60 HZ. USED EXCELLENT COND. #9566WC \$30.00
POWER SUPPLY SAME AS #9566 ONLY LESS REGULATOR CARDS. HAS OUTPUT TRANSISTORS AND HEATSINKS. AN EXCELLENT FOUNDATION \$20.00

32-36 VDC 4.8 AMPS; CONVERSION INFO FOR 12-36 VDC OPERATION INCLD. WITH ADJUST. CURRENT LIMITING AND OVP; 5" COOLING FAN. 9x6x6 1/2 x19; SHPG. WT: 37 LBS. #32-36V-4.8, \$27.95

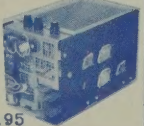


OPEN FRAME REGULATED

COMPUTER POWER SUPPLY TRANSISTOR REGULATED OPEN CONSTRUCTION WITH ADJUSTABLE VOLTAGE 20% AND CURRENT LIMITING UNITS WHERE OVP IS NOTED ALSO HAVE ADJUSTABLE OVERVOLTAGE PROTECTION. UNITS ARE IN GOOD CONDITION-REPAIRABLE. ORDER BY RATING AND PART NUMBER.

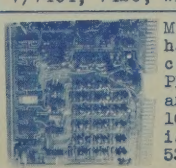
RATING	SIZE	SH WT.	No.	PRICE
5v 2A	14x4x5	16	1012-01	\$10.95
5v 4A	"	16	1014-33	14.95
8v 4A OVP	"	16	1014-21	14.00
12v 3A OVP	"	16	1014-22	25.00
12v 6A	14x8x5	23	1018-32	35.00
12v 6A OVP	"	23	1018-22	37.00
30v 3A	"	23	1018-23	22.50
30v 3A OVP	"	23	1018-33	25.00
35-40v 500W OVP, 14x8x5, 60 LB, 1037-12				\$35

PS601301 TRANSISTOR REGULATED POWER SUPPLY produces independent +12 VDC 2.7 A. and -12 VDC 1 A. outputs w/overvoltage protection which can be used in series. Also -6.8 V 300 ma output. 9x5x5 1/2; 16 lbs. Used, \$14.95



MEMORY PCB

Commercially designed PC boards w/position info; less components.
#217D-101 EPROM BOARD for eight 1702A EPROM, 4/7404, 2/3404; w/edge connector, \$4.00 \$3.
#217D-136 2K RAM BOARD for sixteen 2102 RAM, 7/7404, 7420; with edge connector, \$5.00 \$4.



MICROPROCESSOR CIRCUIT BOARD, has C4004 P-channel microprocessor, 4/P4001 256x8-bit PROM, 2/P4002-1 320-bit RAM and 4-bit output port, 3/4003 10-bit serial in/parallel-serial out shift register, plus 53 transistors. #IC-07, \$6.95

FLUORESCENT DISPLAY, 12-digit DG1001, 1-1/8" high with 1/2" display; 27 transistors and associated resistors, capacitors, etc. 3 lbs. sh. #QP3666, \$5.95

14-DIGIT FLUORESCENT DISPLAY using MG-17F 1 1/2" high tubes with 3/8" display; 31 transistors, 22 capacitors, diodes resistors. Tubes are on plug-in assembly (22-pin). #QP-2704 \$4.95

FAIRCHILD IC'S: 4/9002, 2/9015, 2/9016, 74180 3/9024, 2/9602, 9/2N2222 plus resistors, diodes, etc. 2 lbs. sh. #C200504G1, \$1.95

TIMER-COMPARATOR, IC's 2/NE555V, 2/IM339, 8/7400, 4/7404, 3/7408, 2/7410, 2/7411, 3/7474, 5/7493, 2/74123; two 5K trimpots, 7x8, \$3.

TWELVE DIGIT FLUORESCENT DISPLAY #POS2, 3/8" DIGITS WITH CHARACTERS 0 THRU 9, -, ., AND DECIMAL POINT. TUBES ABOUT 2" HIGH. ALSO 2/M5812 COUNTER IC'S, 27 TRANSISTORS, AND OTHER PARTS. 9x8x2 1/2, SHPG. WT: 4 LBS. \$6.95



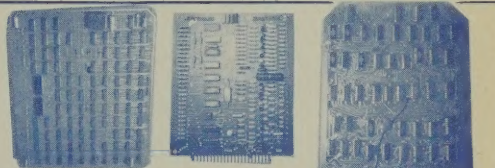
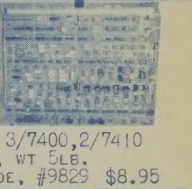
DIODE MATRIX 34 X 20 CONTAINS 90 DIODES 1N4004 OR EQUAL. 6x11 #005330 \$3.95

DIODE MATRIX 25 X 7, 23 TRANSISTORS, DIODES WITH 22 PIN SOCKET. 7x4 1/2, #2010200

CORE MEMORY ARRAY 2 SECTIONS EACH 52 X 52 BOARD SIZE 13x13x1 1/2 #2162301 5 LB \$3.95

SMALL CORE MEMORY ARRAY, 2 SECTIONS APPROX 65x15 EACH. 4 REED RELAYS 2/3PST, 2/5PST 7x4x1 1/2 #2006000 \$2.95

SWITCH NETWORK DIGITAL AND LINEAR IC BOARD. 3352.8KHZ CRYSTAL, 3/2 POLE 4 POS, AND 1/3P2P PC ROTARY SWITCHES. 4 MULTI TURN POTS. 38/72301 OP-AMPS, 2/MCI448, 944DC, 5/9016, 4/7408, 3/NE555, 74195 2/SN29007, 2/74161, 2/74109, 3/7400, 2/7410 2/9602, SP380, SP363. 11x13 1/2, WT 5LB. SEVERAL HUNDRED RES,CAP, DIODE, #9829 \$8.95



CMOS #84293: 3/4001, 2/4002, 5/4009, 2/4010 4/4011, 2/4012, 7/4013, 4021, 2/4022, 7/4023 2/4025, 2513-A 64x8x5 CHARACTER GENERATOR 7417. 9x7 1/2, SH WT 2 LBS #84293 \$7.50

CMOS-K1: 6/4008, 4/4009, 4/4011, 2/4012 7/4013, 9/4016, 5/4022, 2/4023, 4024, 5/4040 9x7 1/2, SH. WT. 2 LBS #CMOS 84292 \$6.95

CMOS #14007: 4/4001, 2/4011, 2/4013, 4042, 4558 DUAL OP-AMP, 23 TRANSISTORS, MANY RESISTORS, CAPACITORS. 1 LB #14007 \$2.95

IC BOARD #595254: 3/9322 QUAD 2 INPUT MULTIPLEXER, 7402, 7404, 7406, 7410, 3/7438, 741, 7442. 1 LB #595254 \$1.95

IC BOARD #594747: 8/75451 DUAL PERIPHERAL AND DRIVER, 7438, 7474, 74121, 7404, 6/7400, 7402, 7414, TRANSISTORS, RESISTORS, DIODES CAPACITORS 2 LB #594747 \$2.95

ENDERSOR DRIVER 4/DM8851 DUAL RETRIGGERABLE MVBR, 7474, 9109 HIGH VOLTAGE HEX INVERTER, 2/7400, 7420, 7406, 18 BYPASS CAPACITORS. TO-3 TRANSISTOR ETC 1 LB #484-0001801 \$1.50

CARD READER CONTAINS A TEN SECTION SPST DUAL IN LINE SWITCH, A 8 POSITION MINATURE PC. ROTARY SWITCH; 5/7400, 4/7404, 7/7408, 5/7410 4/7420, 7437, 74109, 3/74157, 74180, 9602 2/N82S62, 2/SN29301, NCR 94, 8 IC'S NO CROSS REFERENCE. SH WT 2 LBS #315-0529449 \$3.50

25% SALE Choose any 4 circuit boards in the above column and TAKE OFF 25% from the TOTAL price!

POWER SUPPLY BOARD f/printer: 41 IC's & sockets (mostly 74-series); 32 power transistors (mostly 10 amp TIP-140-142-145); 3/VTA200-S 200 V 25 A bridges; 5/1N3890 100 V 12 A diodes; and related. Also axial capacitors 11/6800 uf 16 V; 5/1500 uf 63 V; 4/220 uf 25 V; 1000 uf 25 V; plus 56/6.8 uf 35 V and 10/4.7 uf 35 V tantalums. 20x14; 5 lb. #803-195 \$22.



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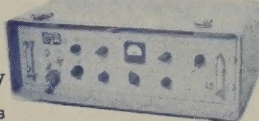
SSB TEST EQUIPMENT



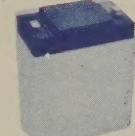
SG-376 TRANSISTORIZED TWO-TONE I.F. SIGNAL GENERATOR for testing SSB equipment. Has two 20 Hz-20 KHz audio oscillators and

two independent I.F. oscillators. IF output: 497.5, 498.5, 501.5, or 502.5 KHz only; also 497.5 & 498.5 or 501.5 & 502.5 KHz simultaneously. Output levels: 2-2.5 V into 600 ohms (AF); 1-1.25 V into 50 ohms (IF) with attenuation to 100 db in 1 or 10 db steps. Designed distortion less than 60 db below max signal. Requires 115 VAC 50-450 Hz. 5 1/2 x 19 x 11 3/8 lbs sh. Used-repairable \$135; Chkd., \$195. MANUAL for SG-376, \$7.50 if purchased w/set.

SG-823/URM-144 TWO-TONE REFERENCE SIGNAL GENERATOR, used in the measuring of receiver sensitivity and SSB transmitter distortion. Provides two RF outputs which can be used independently or in combination with no intermodulation effects. Frequency outputs: 2.0, 3.6, 4.0, 7.2, 8.0, 14.4, 16.0, 28.8 Mhz at 100K u-volts max into 50 ohms. Frequency adjust $\pm 0.05\%$ (tone A), $\pm 0.0025\%$ (B). Distortion at least 60 db below max signal. Requires 115 VAC 60 or 400 Hz. 5 1/2 x 19 x 11, 35 lbs sh wt. Used, repairable, \$125.00; Checked, \$185.00. MANUAL for SG-823, \$7.50 if purchased w/set.



6 AMP GEL-CELL



RECHARGEABLE GEL-CELL BATTERY rated 6 VDC 6 amps in 4 1/2 x 3 1/2 x 2 plastic case. Made for Montgomery Ward's; with terminal clips. 3 lbs. #63-11387 NEW \$8.95 2/\$17

NI-CAD BATTERY, rechargeable 4.8 VDC 500 ma, 1 1/2 x 3/8" dia; German mfg. #4/500DKZ NEW \$4.
MERCURY CELLS, non-rechargeable; 1-7/8 x 3/8 d.
#HM-3P, 4.2 V 500 mah, NEW, 3 for \$2.00
#HM-4N, 5.6 V 500 mah, NEW, 4 for \$3.00

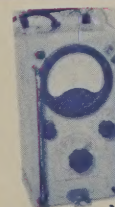
MERCURY CELL PACK

BA-398/PRC-25 ARCTIC BATTERY PACK, wrapped around body in frigid conditions to power PRC-25 and -77 transceivers. Consists of 72/1.5 VDC mercury cells (5 sets of 12, two sets of 6) wired to produce 2.5-3 V 400 ma & 12-15 V 1.4 amps. Original life: 20 hrs, 9:1 xmit ratio. Requires special cable (not available) if used with PRC-25, -77. Or use as source for 2 1/2" dia cells. W/cloth cover and straps; '77/'78 dates. 6 lbs. Unused, \$7.95

BA-4386 MAGNESIUM LONG-LIFE BATTERY PACK for PRC-25, -77; '78/'79 date codes. Unused \$8.95



ME-6D VOLTMETER



ME-6D/U VTVM, covers 0.005 to 500 V-rms in six ranges and -65 to 57 db. Built-in 15 Hz-250 KHz wide-band amplifier with max. voltage gain of 4500; minimal distortion to 23 VAC output. 115 VAC 50-400 Hz. 11 1/2 x 6 x 5 1/2, 14 lbs sh wt. Used, repairable \$30. Checked, \$50. MANUAL f/ME-6D, partial repro \$8.50

RG-8 COAX

100 feet of new polyethylene-jacketed RG-8 coax boxed w/two PL-259 connectors (not wired); 50 ohm impedance. Suitable for most amateur RF applications. 13 lbs sh wt. #CB-RG-8, NEW, \$19.95

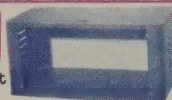


PP-281 12 VDC POWER



PP-281 VIBRATOR POWER PACK for AM-65 amp and RT-70 transceiver (p 18). Supplies required voltages from 12 VDC 2.25 A input. 4 1/2 x 5 1/2 x 3, 8 lbs sh. Used, \$14.95

ENCLOSURE



STEEL CABINET w/lift top; for 7"H x 14"W x 8"D panel. Black finish. O/A 8x16 1/2 x 8 1/2, 7 lbs. #SK-CAB7148, used, \$5.95. PANEL w/misc parts from above \$1.50

TV-2 TUBE TESTER



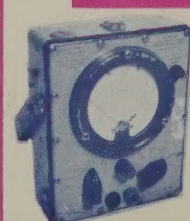
TV-2 DYNAMIC MUTUAL CONDUCTANCE TUBE TESTER, checks most military and older commercial receiving and low power transmitting tubes. Test sockets for 4, 5, 6, 7-pin, 7- and 9-pin miniature, loctal, octal, acorn, sub-mini flat and round tube bases. Measures mutual conductance, emission, gas, noise, and shorts. Meters for filament, grid, plate, screen, signal, and transconductance (percent quality). Theoretically, a tube not listed on the roll data chart can be tested by setting the proper voltages on the meters provided those voltages are known. Requires 115 VAC 50-1600 Hz. 17 1/2 x 5 1/2 x 16 1/2, 50 lbs sh wt. Used, repairable, \$75.00; Checked, \$110. MANUAL, partial repro., \$10.

TV-10 TUBE CHECKER, portable unit tests similar tubes as the TV-2. Single meter indicates micromhos; roll chart test data. 115 VAC 50-1000 Hz. 18x10 1/2 x 7, 30 lbs sh wt. Used, repairable, \$50.00; Checked, \$80.00. MANUAL, partial repro, \$10 w/set purchase.

TEST ADAPTERS f/TV-2, -3, -7, -10 \$7.00 each: for 2C39, for 829/832, for sub-mini lg lead

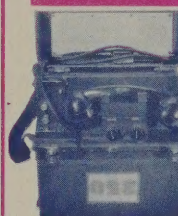


PSM-6 MULTIMETER



AN/PSM-6 MULTIMETER, rugged compact unit 4 1/2" dia. 50 microamp meter. Ranges 0.5-2.5-10-50-250-1000 VDC (1K ohm/v or 20K ohm/v) and VAC; 100 microamps to 1 amp DC. Also ohms multiplier scales X1 thru X10K ohms. Readings to 5000 VDC and 10 amps possible when used with accessory adapters which are not available. Requires 13.4 VDC battery tapped at 1.34 V. With test leads. 8 1/2 x 7 1/2 x 4 1/2, 12 lbs sh wt. Used, repairable, \$45.00; checked, \$65.00

AMPLIFIED FIELD PHONE



TP-9 AMPLIFIED FIELD TELEPHONE, permits communication over greater distance than standard battery field phones such as EE-8, TA-43, and TA-312. Uses vacuum tube amplifiers for receiving and transmitter circuits. TP-9 can be used between standard field phones and effectively double their range. Has bell for audible signaling and indicator light for noiseless signal. Set consists of aluminum chassis containing GN-38B generator, ringer, amplifiers, and TS-9 handset. Provision for head and chest set use. Requires 4.5 VDC 50 ma, 1.5 VDC 200 ma, and 67.5 VDC 5.5 ma. 11 1/2 x 11 1/2 x 7 1/2, 25 lbs sh. Used, \$50.00

EMERGENCY FLASHER

EMERGENCY LIGHT-FLASHER-CHARGER, plugs into car lighter with 14 feet of cable and provides bright clear flasher for emergencies or continuous lighting for repairs, map reading, etc. Also has provision for trickle charging battery from another vehicle using an additional 3 ft cable connected to its lighter circuit. Has meter which indicates approximate charge time required. 6x4x3, 4 lbs sh. #EMERG-LFC, w/cables, NEW, \$5.00



LIGHTER CABLE, 14' as above, \$2.50; 30' \$1.

ENERGY STORAGE



GENERAL ELECTRIC ENERGY STORAGE CAPACITOR, 7.5 mfd 20 KV DC, 0.06 inductance oscillatory duty; 75K peak amps. Safe castor oil impregnated. 16 1/2 x 19 1/2 x 5 including insulator and flange mount. 65 lbs sh. GE#1456606, unused, \$50.00